CONSTRUCTION NEWS

Engineering News-Record, August 23, 1923

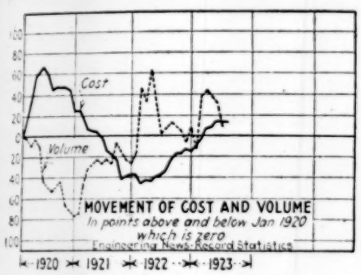
The Construction Barometer

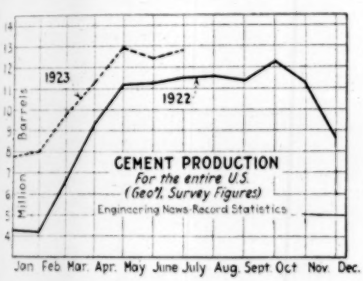
Building Permits Heavy--Production High

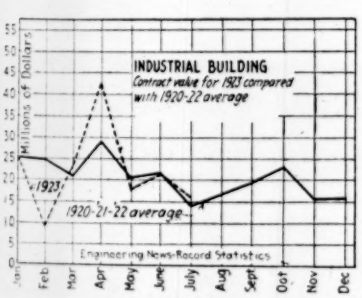
CONSTRUCTION cost remains unchanged, with volume falling at a seasonable rate. Building permits were unusually high in July and S. W. Straus & Co. says: "During the past decade July has not shown an increase in volume of building over June more than three or four times, notably in 1915, 1916 and 1921." July permits were 14.5 per cent heavier than the June.

The charts show that the cement production this year has remained consistently above the 1922 curve. Pig iron output in June and July was 42,000 gross tons per day heavier than the same period in 1922.

In the center tables are given the May, June and July values of large contracts let in the last three years. The *E. N.-R.* Volume Index is presented for each month from 1920 to date.


Cost
Volume
MOVEMENT OF COST AND VOLUME
In points above and below Jan 1920 which is zero
Engineering News-Record Statistics
1920 1921 1922 1923




INDUSTRIAL BUILDING
Contract value for 1923 compared with 1920-22 average
Millions of Dollars
1923
1920-21-22 average
Engineering News-Record Statistics
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

	1921	1922	1923
July	$106,011,049	$113,671,000	$155,023,000
June	140,578,814	175,445,000	178,587,000
May	108,904,531	171,557,000	192,032,000
	$355,494,394	$463,673,000	$525,642,000

E. N.-R. CONSTRUCTION VOLUME INDEX NUMBER

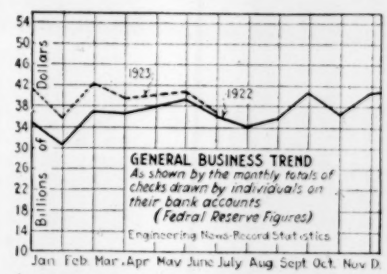
1913 and 1920 to 1922
1913=100

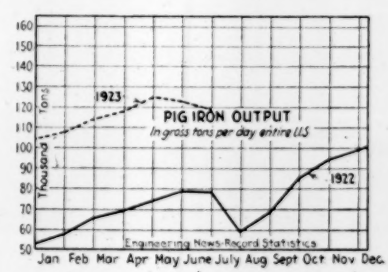
	1923	1922	1921	1920
January	126	91	4[illegible]	*146
February	105	100	33	114
March	*192	202	*88	107
April	160	150	36	*142
May	*171	179	90	107
June	148	*187	*117	74
July	128	116	90	*85
August	....	*154	94	65
September	....	123	*114	*85
October	....	127	109	73
November	....	*122	104	51
December	....	111	*118	*58

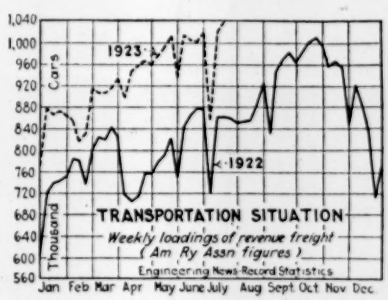
* Taken from five issues of *Engineering News-Record* during month.

EASE PRICES UNCHANGED IN FIVE WEEK.

	Quoted On Aug. 16, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	58.00	59.00	July 5
Fir, San Fran., M.ft.	41.00	39.00	Apr. 5
Common labor, hr.	.54	.53	June 28


Billions of Dollars
1923
1922
GENERAL BUSINESS TREND
As shown by the monthly totals of checks drawn by individuals on their bank accounts
(Federal Reserve Figures)
Engineering News-Record Statistics
Jan Feb Mar Apr May June July Aug Sept Oct Nov D


Thousand Tons
1923
PIG IRON OUTPUT
In gross tons per day entire U.S.
1922
Engineering News-Record Statistics
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec.



PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 24	Garfield Heights (Cleveland P. O.), O.	Aug. 23
Aug. 27	San Diego, Calif.	July 26
Aug. 27	Pennington, N. J.	Aug. 16
Aug. 27	Winner, S. D.	Aug. 16
Aug. 27	Portage, Wis.	Aug. 23
Aug. 27	West Conrad, Minn.	Aug. 23
Aug. 28	Black River Falls, Wis.	Aug. 9
Aug. 29	Watertown, S. D.	July 26
Aug. 28	Hutchinson, Minn.	Aug. 23
Aug. 30	Brooklyn, N. Y.	Aug. 23
Aug. 31	Germantown, O.	Aug. 23
Sept. 1	Pittsfield, Ill. Adv. Aug. 16 and 23.	Aug. 16
Sept. 4	Mount Vernon, N. Y.	Aug. 16
Sept. 4	Sleepy Eye, Minn.	Aug. 23
Sept. 5	Lewiston, Idaho Adv. Aug. 23.	Aug. 23
Sept. 6	Evansville, Ind. Adv. Aug. 23.	Aug. 23
Sept. 11	Hoboken, N. J. Adv. Aug. 9, 16 and 23.	Aug. 9

SEWERS

Aug. 27	Lyons, Kan.	Aug. 23
Aug. 27	East Orange, N. J.	Aug. 23
Aug. 28	Salt Lake City, Utah	Aug. 16
Aug. 28	Ft. Worth, Tex.	Aug. 23
Aug. 29	Sioux City, Ia. Adv. Aug. 23.	Aug. 23
Aug. 29	Hobart, Ind.	Aug. 23
Aug. 30	Grand Prairie, Tex.	Aug. 23
Aug. 31	Detroit, Mich.	Aug. 23
Sept. 3	Bradentown, Fla.	Aug. 23
Sept. 11	St. Louis, Mo.	Aug. 23
Sept. 24	St. Petersburg, Fla. Adv. Aug. 23.	Aug. 23
Nov. 1	Fort Erie, Ont.	Aug. 23

WASTE DISPOSAL

Aug. 28	St. Louis, Mo.	Aug. 2
Sept. 4	Lakewood (Cleveland P. O.), O.	Aug. 16
Sept. 17	St. Petersburg, Fla. Adv. Aug. 23.	Aug. 23

BRIDGES

Aug. 27	New Jersey	Aug. 23
Aug. 27	Keyport, N. J.	Aug. 9
Aug. 28	Alabama	Aug. 16
Aug. 29	Illinois	Aug. 9
Aug. 29	Mohawk, N. J. Adv. Aug. 16 and 23.	Aug. 16

Bids Close		See Eng. News-Record
Aug. 29	North Carolina	Aug. 16
Sept. 4	Plainfield, N. J. Adv. Aug. 23.	Aug. 23
Sept. 5	Freehold, N. J. Adv. Aug. 16 and 23.	Aug. 16
Sept. 5	Keyport, N. J. Adv. Aug. 23.	Aug. 23
Sept. 5	Minnesota	Aug. 23
Sept. 11	New Jersey	July 26
Sept. 12	Ft. Wayne, Ind. Adv. Aug. 23.	Aug. 23
Sept. 15	Canadian, Tex.	Aug. 23
Sept. 19	Phila., Pa.	Aug. 23
Nov. 30	Sydney, Australia	Apr. 19

RAILWAYS

Sept. 4	California	Aug. 23

EXCAVATION, DRAINAGE, IRRIGATION

Aug. 30	New Iberia, La.	Aug. 9
Aug. 31	Council Bluffs, Ia.	Aug. 23
Sept. 4	Selma, Calif.	Aug. 23
Sept. 18	Lake Charles, La. Adv. Aug. 23.	Aug. 23

STREETS AND ROADS

Aug. 25	Minot, N. D.	Aug. 23
Aug. 27	Sheridan, Wyo.	Aug. 9
Aug. 27	Bessemer, Ala.	July 26
Aug. 27	Iola, Kan.	Aug. 2
Aug. 27	San Diego, Calif.	Aug. 9
Aug. 27	New Jersey	Aug. 9
Aug. 27	California	Aug. 16
Aug. 27	Marlow, Okla.	Aug. 16
Aug. 27	Bonham, Tex.	Aug. 16
Aug. 27	Princeton, N. J.	Aug. 23
Aug. 27	Cumberland, Md.	Aug. 23
Aug. 27	Warren, O.	Aug. 32
Aug. 27	Ft. Wayne, Ind.	Aug. 23
Aug. 27	Des Moines, Ia.	Aug. 23
Aug. 27	Buffalo, N. Y.	Aug. 23
Aug. 27	Port Dover, Ont.	Aug. 23
Aug. 28	St. Louis, Mo.	Aug. 2
Aug. 28	Louisiana	Aug. 9
Aug. 28	Eastland, Tex.	Aug. 9
Aug. 28	Pensacola, Fla.	Aug. 16
Aug. 28	Brenham, Tex.	Aug. 16
Aug. 28	Florida	Aug. 16
Aug. 28	Paris, Tex.	Aug. 16
Aug. 28	South Dakota	Aug. 16
Aug. 28	Newark, N. J.	Aug. 23
Aug. 28	Columbus, O.	Aug. 23
Aug. 28	Long Branch, N. J. Adv. Aug. 23.	Aug. 23
Aug. 28	South Dakota	Aug. 23
Aug. 28	Ft. Worth, Tex.	Aug. 23
Aug. 29	Kentucky	Aug. 9
Aug. 29	Kentucky	Aug. 2
Aug. 29	Delaware	Aug. 9
Aug. 29	Illinois	Aug. 9
Aug. 29	North Carolina Adv. Aug. 16 and 23.	Aug. 16
Aug. 29	Morristown, N. J.	Aug. 16
Aug. 29	Columbus, O.	Aug. 23
Aug. 29	Brooklyn, N. Y.	Aug. 23
Aug. 29	Illinois	Aug. 23
Aug. 29	Baltimore, Md.	Aug. 23
Aug. 29	Cleveland, O.	Aug. 23
Aug. 29	Long Island City, N. Y.	Aug. 23
Aug. 30	Long Island City, N. Y.	Aug. 23
Aug. 30	Pittsburgh, Tex.	Aug. 9
Aug. 30	Quebec	Aug. 16
Aug. 30	Aiken, S. C.	Aug. 23
Aug. 30	Michigan	Aug. 23
Aug. 31	Beaumont, Tex.	Aug. 16
Aug. 31	Garnett, Kan.	Aug. 16
Aug. 31	Dillon, S. C.	Aug. 23
Aug. 31	New York Adv. Aug. 16 and 23.	Aug. 23
Aug. 31	Michigan	Aug. 23
Sept. 1	Mt. Pleasant, Ia.	Aug. 16
Sept. 1	Tuscaloosa, Ala.	Aug. 23
Sept. 1	Lockport, N. Y.	Aug. 23
Sept. 2	Martinez, Calif.	Aug. 23
Sept. 3	Michigan	Aug. 23
Sept. 4	San Jose, Calif.	Aug. 9
Sept. 4	San Diego, Calif.	Aug. 16
Sept. 4	San Diego, Calif.	Aug. 23
Sept. 4	Stockton, Calif.	Aug. 23
Sept. 4	Buffalo, N. Y.	Aug. 23
Sept. 5	Freehold, N. J. Adv. Aug. 16 and 23.	Aug. 16
Sept. 5	Michigan	Aug. 23
Sept. 5	Marysville, Calif.	Aug. 23
Sept. 5	Minnesota	Aug. 23
Sept. 6	Gulfport, Miss.	Aug. 23
Sept. 6	Dallas, Tex	Aug. 23
Sept. 7	Michigan	Aug. 23
Sept. 10	Dallas, Tex.	Aug. 23
Sept. 10	Madison, S. D.	Aug. 23
Sept. 10	St. Paul, Minn.	Aug. 23
Sept. 11	Alabama	Aug. 16
Sept. 11	St. Louis, Mo.	Aug. 23
Sept. 11	San Diego, Calif.	Aug. 23
Sept. 11	Alabama	Aug. 23
Sept. 11	Decatur, Tex.	Aug. 23
Sept. 11	Austin, Tex.	Aug. 23
Sept. 11	Sonora, Tex.	Aug. 23
Sept. 12	Faribault, Minn.	Aug. 23
Sept. 26	Kentucky	Aug. 23

INDUSTRIAL WORK

Aug. 27	Cleveland, O.	Aug. 23
Aug. 28	Dunseith, N. D.	Aug. 16

BUILDINGS

Aug. 25	Ridgway, Pa.	Aug. 9
Aug. 25	Denton, Tex.	Aug. 16
Aug. 25	San Diego, Calif.	Aug. 16
Aug. 25	Baltimore, Md.	Aug. 23
Aug. 27	Murray, Ky.	Aug. 16
Aug. 27	Crownsville, Md.	Aug 23
Aug. 28	Akron, O.	Aug. 2
Aug. 28	Salisbury, Md.	Aug. 9
Aug. 28	New York, N. Y.	Aug. 9
Aug. 28	Iron River, Mich.	Aug. 16
Aug. 28	Willmar, Minn.	Aug. 23
Aug. 28	Brooklyn, N. Y.	Aug. 23
Aug. 29	San Francisco, Calif.	Aug. 23
Aug. 30	Milwaukee, Wis.	Aug. 16
Aug. 31	Mediapolis, Ia.	Aug. 23
Sept. 1	Denver, Colo.	Aug. 23
Sept. 4	Wende (Millgrove P. O.), N. Y.	July 26
Sept. 4	Stockton, Calif.	Aug. 23
Sept. 4	Ft. Worth, Tex.	Aug. 23
Sept. 5	Thiells, N. Y.	Aug. 9
Sept. 5	Eastview, N. Y. Adv. Aug. 16 and 23.	Aug. 16
Sept. 5	Wapakoneta, O.	Aug. 23
Sept. 5	Chillicothe, Mo.	Aug. 23
Sept. 6	Kansas City, Mo.	Aug. 23
Sept. 6	Mishawaka, Ind.	Aug. 23
Sept. 7	Detroit, Mich.	Aug. 23
Sept. 12	Geneva, O.	Aug. 23
Sept. 15	Dallas, Tex.	July 26
Sept. 15	Sedalia, Mo.	Aug. 16
Sept. 15	Proctor, Minn.	Aug. 23
Sept. 28	Institute, W. Va.	July 26
Sept. 28	Pruntytown (Grafton P. O.), W. Va.	Aug. 2
Sept. 28	Montgomery, W. Va.	Aug. 9
Sept. 28	Institute, W. Va.	Aug. 9
Nov. 1	Ft. Worth, Tex.	July 12
Nov. 1	Dallas, Tex.	Aug. 2

FEDERAL GOVERNMENT WORK

Aug. 28	Superstructure—Ludington, Mich.	July 26
Aug. 28	Repairs—Phila., Pa.	Aug. 9
Aug. 30	Pipe—Mobile, Ala. Adv. Aug. 9, 16 and 23.	Aug. 9
Aug. 30	Dredging—Boston, Mass. Adv. Aug. 2, 9, 16 and 23.	Aug. 2
Aug. 30	Dredging—Petaluma, Calif.	Aug. 9
Aug. 30	Dredging — New York, N. Y. Adv. Aug. 23.	Aug. 23
Aug. 31	Breakwater—Wrangell, Alaska	Aug. 16
Sept. 1	Dredging—Seattle, Wash.	Aug. 23
Sept. 5	Post Office — Waterloo, N. Y.	Aug. 23
Sept. 5	Storehouse—San Diego, Calif.	Aug. 23
Sept. 6	Dredging—Oakland, Calif.	Aug. 16
Sept. 10	Flooring—Boston, Mass.	Aug. 23
Sept. 11	Dredging—Galveston, Tex. Adv. Aug. 16 and 23.	Aug. 16
Sept. 12	Dam — Klamath Falls, Ore.	Aug. 9
Sept. 12	Siphon—Mitchell, Neb.	Aug. 9
Sept. 12	Pistons, etc. — Denver, Colo.	Aug. 9
Sept. 12	Storage Bins, etc.—Pearl Harbor, H. T.	July 19
Sept. 17	Quarters, etc. — Rutland, Mass. Adv. Aug. 23.	Aug. 23
Oct. 15	Breakwater—Hilo, H. T.	Aug. 23

MISCELLANEOUS

Aug. 27	Dock and Yacht Basin — Sanford, Fla.	Aug. 16
Aug. 27	Traffic Signal Electric Lights—New York, N. Y.	Aug. 23
Aug. 28	Underpass—Alabama	Aug. 9
Aug. 31	Cable and Accessories — Melbourne, Australia	June 21
Sept. 4	Cement—Merced, Calif.	Aug. 23
Sept. 4	Loader, etc.—San Jose, Calif.	Aug. 23
Sept. 4	Road Grader—Onida, S. D.	Aug. 23
Sept. 4	Wharf—Sorel, Que.	Aug. 23
Sept. 11	Grain Elevator—Oswego, N. Y. Adv. Aug. 16 and 23.	Aug. 16
Sept. 12	Tunnel—Colorado	Aug. 9
Sept. 19	Lock Gates, etc.—Illinois Adv. Aug. 16 and 23.	Aug. 23
Sept. 28	Cement—Jefferson City, Mo. Adv. Aug. 23.	Aug. 23
Oct. 6	Volt Insulators—Melbourne, Australia	Aug. 16
Feb. 28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Hartford — Bd. Water Comrs. plan main water extensions. $100,000. C. M. Caleb, 1026 Main St., engr.

N. Y., Ballston Spa—See "Miscellaneous."

W. Va., Parkersburg—Having plans prepared waterworks, mechanical filter or deep well system. $150,000. J. V. Dunbar, city engr.

Ky., Danville — City Council will soon buy electrically operated pumps for new municipal water plant. Pearse, Greeley & Hansen, 38 West Adams St., Chicago, engrs.

Ky., Louisville — Louisville Water Co., 435 3rd St., plans laying about 4,000 ft. 20 in. c.i. mains in Preston St. $20,000. J. Chambers, ch. engr.

O., Parma Heights (Cleveland P. O.)—Plans c.i. mains. $32,000. V. D. Croft, Old Courthouse, Cleveland, engr.

Mich., Ecorse — Having plans prepared for 48,020 ft. 4, 6 and 8 in. c.i. pipe in various streets. M. L. Brown & Son, 402 Capitol Theatre Bldg., Detroit, engrs.

Mich., Eloise—Wayne Co. having plans prepared 7,200 ft. 4, 6 and 8 in. Class B c.i. pipe from water storage reservoir south of Michigan Ave. around Eloise Institution buildings. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Mich., Ithaca—Plans to install deep well plunger pumps and fire pump unit. $11,000. Burd & Giffels, Powers Theatre Bldg., Grand Rapids, engrs.

Mich., Menominee—Aug. 31, to vote on $100,000 bonds for improving waterworks. T. R. Hasley, City Hall, engr.

Wis., La Crosse—City having plans prepared for additional water supply, incl. new artesian wells. Cost to exceed $15,000. C. C. Congdon, City Hall, city engr. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Wis., Madison — Council will vote on $50,000 bond issue for installing and equipping 2 deep wells and constructing duplicate air line for water supply. L. A. Smith, water supt. Engineer not selected.

Wis., Montfort—Plans extension to mains and additional pumping equipment. Election soon to vote on $15,000 bonds. Engineer not selected.

Mont., Laurel—Voted $55,000 bonds for waterworks. T. A. Rigney, clk.

Mo., Cameron—Making preliminary plans waterworks and light improvements. Cost to exceed $15,000. Burns & McDonnell, 401 Interstate Bldg., Kansas City, engrs.

Mo., Norborne—Making preliminary plans pumping plant, reservoir, tower and distribution mains. $50,000-$60,000. Engineer not selected.

Mo., St. James—Voted $33,000 bonds for waterworks, pumping plant and distribution system, also $12,000 bonds for sewers. Engineer not selected. Noted July 26.

Tex., Dallas—Had revised plans prepared 20 in. main from here across Trinity River to Oak Cliff. $80,000. E. A. Kingsley, city engr.

Tex., Dallas—Making surveys of reservoir sites. $25,000. E. A. Kingsley, city engr. J. C. Nagle, Dallas, and T. A. Thompson, Wichita Falls, consult. engrs.

Tex., Dallas—Myers & Noyes, engrs., Central State Bank Bldg., soon takes bids improvements to waterworks, pavements, etc., in Kessler Highlands-Oak Cliff, for A. R. Thomason, Wilson Bldg. $200,000.

Tex., Ennis—Sept. 7, to vote on $50,000 bonds main extensions. H. McCandless, city engr.

Tex., Mart — Making plans reservoir, pump station, 4 mi. of 10 in. and 2½ mi. 8 in. c.i. pipe. $200,000. Koch & Fowler, Central Bank Bldg., Dallas, engrs.

Okla., Owasso—Having plans prepared complete waterworks system. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Okla., Tulsa—See "Contracts Awarded."

Ariz., Phoenix—Making plans one 5 m.g. rein.-con. standpipe, $25,000. Take bids about Sept. 1, for excavation. H. L. Ringer, City Hall, engr.

Ore., Yoncalla—Voted $35,000 bonds for municipal waterworks. Engineer not selected.

Waterworks (Continued)

Calif., Delhi—Delhi Land Settlement Colony, having plans prepared 3 pumping plants, pumps will probably be 12 in. diam. requiring 25 hp. or more motors. E. G. Fortier, Delhi, engr.

Ont., Crystal Beach—Having plans prepared waterworks system and filtration plant. To exceed $30,000. Ross & Scott, Welland, engrs.

BIDS DESIRED

N. Y., Binghamton—Bd. Contr. & Supply, City Hall, taking bids 1,000 ft. 4 in. and 4,000 ft. 6 in. Class "C" bell and spigot c.i. pipe, f.o.b. Binghamton, freight to be prepaid.

N. Y., Brooklyn—Aug. 30, by N. J. Hayes, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York, furnishing and setting fire hydrants and appurtenances on existing mains in Flatbush and Flatlans Sects., here.

O., Columbus—See "Streets and Roads."

O., Garfield Heights (Cleveland P. O.)—Aug. 24, water mains. $25,000. R. Munz, Town Hall, engr.

O., Germantown—Aug 31, by Bd. Trustees of Pub. Affairs, 4 mi. 6 in. c.i. mains, etc. $100,000. Jennings-Lawrence Co., 511 Hartman Bldg., Columbus, engrs.

Ind., Evansville—Sept. 6, by Bd. Water Trustees, City Hall, 6 m.g. addition to present water filtration plant. W. A. Bosse, secy. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.; adv. E. N.-R. Aug. 23. Noted June 7.

Wis., New London — Sept. 1, by C. J. Thompson, city clk., 200,000 gal. rein.-con. reservoir. $20,000. H. R. Albert, Court House, Green Bay, engr.

Wis., Portage—Aug. 27, by City, intake crib and submerged pipe line, 360 ft. long, in Wisconsin river near foot of Pierce St. Cost to exceed $25,000. Pearse, Greeley & Hansen, 39 West Adams St., Chicago, engrs.

Minn., Hutchinson—Aug. 28, 1 pump, also valves, fittings and pipings. J. F. Mikulecky, city clk.

Minn., Sleepy Eye—Sept. 4, one centrifugal pump. A. J. Thomas, city rcdr.

Minn., West Concord—Aug. 27, by City, alternate bids (1) 2,240 lin.ft. mains with hydrants, valves and appurtenances, (2) 12,960 lin.ft. mains with hydrants, etc. $16,000. Toltz, King & Day, 1410 Pioneer, Bldg., St. Paul, engrs.

Idaho, Lewiston—Sept. 5 at office of J. R. Turnbull, city controller, waterworks improvements. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.; adv. this issue. Noted June 14.

CONTRACTS AWARDED

Conn., Newington—Center Fire Dist., 7 mi. c.i. pipe, various sizes, to A. Di Marco, 61 East Main St., Plainville. Engrs. est. $120,000. Noted May 24.

N. Y., New York—Bd. Water Supply, Municipal Bldg., making test borings in Boros of Bronx, Queens and Brooklyn, New York City, city of Yonkers, Westchester Co., Contr. 214, to Sprague & Henwood, Inc., Box 446, Scranton, Pa., $85,500. Noted Aug. 2.

O., Westerville—R. Biehl, city mgr., constructing filter bed, 2 contact beds and 2 units to sledge beds, 17,000 lb. reinforcing, 18 tons c.i. pipe and specials, 4,600 lin. ft. 4-30 in. pipe, etc., to R. O. Cart, Westerville, $33,605. Noted Aug. 9.

Mich., Ecorse—For 48,020 lin.ft. 4-8 in. c.i. mains, to T. C. Brooks, Jackson, $100,000. Noted Aug. 23.

Wis., Manitowoc—For 57 x 67 ft. addition to water works and light plant, 35 ft. high, brick, to T. Stark & Co., 130 Muskego Ave., Milwaukee, $17,000.

Wis., Marshfield—Additional water supply 2 m.g.d. piping, drilling 5 wells, installing mains with 85 lb. pressure, constructing pump house and equipment, to Layne-Bowler Co., 37 West Van Buren St., Chicago, $160,000. Engrs. est. $150,000.

Ill., Jerseyville—For 959 tons c.i. pipe, mostly 10 in., to U. S. Cast Iron Pipe and Fdry. Co., 520 Security Bldg., St. Louis, Mo.

Tex., Dallas—Will construct 5,000 ft. 6 in. main in Akard St., 2,200 ft. 10 in. in Trinity Heights, 3,000 ft. 12 in. Oak Cliff, by day labor. $17,038. E. A. Kingsley, city engr.

Tex., Ennis—For 14,500 ft. 10 in. Class B c.i. pipe from Waxahachie Creek to reservoir, to Winslett Eldridge Co., Dallas, $2.60 per ft.

Tex., Marlin—Filter equipment for new 1 m.g.d. filtration plant, to International Filtering Co., 333 West 25th Pl., Chicago, $15,290.

Tex., Sabinal—For 100,000 gal. steel tank and tower, to Pittsburgh Des Moines Steel Co., Praetorian Bldg., Dallas, $40,000.

Okla., Tulsa—To De Laval Steam Turbine Co., North Clinton St. along tracks Pennsylvania R.R., two 12 m.g.d. high service steam turbine driven centrifugal pumps $84,300; to Walsh & Weidner Boiler Co., Main and Sycamore Sts., Chattanooga, Tenn., two 300 hp. water tube boilers with Green chain grate stokers $24 215. Above equipment for Mohawk pumping station (contract for which will be let about Oct. 1). Noted July 12.

B. C., Point Grey—Furnishing 5,000 ft. 4 in., 10,000 ft. 6 in., 1,000 ft. 8 in. and 1,000 ft. 10 in c.i. pipe, to Gordon & Belyea, 148 Alexander St., Vancouver, $15,750.

Sewers

PROPOSED WORK

N. Y., Binghamton—Making plans about 5 mi. of 5 ft. surface water sewer and 15 in. sanitary sewer along Trout Brook from Glenwood Creek to Chenango River. $200,000. W. E. Weller, city engr. Noted July 26.

N. J., East Orange—Plans storm water sewer, known as Elizabeth River Drain, 1 mi. long, mostly 72 in. rein.-con. pipe, $125,000. W. D. Willigerod, City Hall, engr.

Pa., Sayre—Plans 3,841 ft. sewer in Chemung, Olive, Desmond and North Wilbur Aves., $26,000.

Ga., Wrightsville—Sold $30,000 bonds for sewers. A. H. Hatcher, city clk.

Tenn., Dickson—Preliminary plans and surveys being made for general sewerage system. B. H. Klyce, 4th & 1st Natl. Bank Bldg., Nashville, consult. engr.

O., Barberton—Soon takes bids East Side Interceptor sewer. $285,000.

Mich., Springwells—Having plans completed for laterals and sewer arm in Assessment Dists. 18 to 22, 10-30 in. vitr. crock and concrete pipe. $100,000. A. Roth, 2348 Penobscot Bldg., Detroit, engr.

Mo., St. James—See "Waterworks."

Mo., University (St. Louis, P. O.)—See "Streets and Roads."

Ark., Little Rock — Having preliminary plans prepared storm and sanitary sewers, curbing and guttering, Monroe, Prospect, Lee, Jackson and Van Buren Sts. in Pulaski Heights. $50,000. Ford & MacCrea, Gazette Bldg., engrs.

Tex., Clarksville—Aug. 27, to vote on $40,000 bonds for sewage disposal plant. P. Wilson, mayor.

Tex., Ft. Worth—Making plans and takes bids about Sept. 2, 6-8 in. sanitary sewer in Sycamore Heights. $25,000. D. L. Lewis, city engr. J. B. Hawley, Cotton Exch. Bldg., consult. engr.

Tex., Stamford—City Com. will take bids after Aug. 27, for 500,000 gal. Imhoff tank, etc. $30,000. J. B. Hawley, Cotton Exch. Bldg., Ft. Worth, engr.

Ont., Crstal Beach — Takes bids about Sept. 1, extending sewers. $25,000. Ross & Scott, Welland, engrs. Noted Aug. 23.

BIDS DESIRED

N. J., East Orange—Aug. 27, Elizabeth River Drain, 1 mi. long, mostly 72 in. rein.-con. pipe. $125,000. W. D. Willigerod, City Hall, engr. Noted Aug. 15.

N. J., Newark—See "Streets and Roads."

Fla., Bradent wn—Sept. 3, by Bd. Comrs. Manatee Co., constructing Cedar Hammock Drain. $25,000. R. H. Roesch, co. clk.

Fla., St. Petersburg—Sept. 24, at office H. T. Davis, dir. Finance, 138,610 ft. 6-21 in. sewers, etc.; adv. E. N.-R. Aug. 23.

O., Columbus—See "Streets and Roads."

O., Idlewood (Cleveland Heights P. O.)—Aug. 21, vitr. clay and tile storm and sanitary sewers in Washington Blvd., Sewer Dist. 1, Brockway, Cedarbrook, Farland, Tullamore, Bushnell, Fenwick, Landsdale, Venion, Westwood and Edgerton Rds. To exceed $25,000. F. ... Pease Eng. Co., Marshall Blvd., Cleveland, engrs.

Ind., Hobart—Aug. 29, constructing 12-24 in. vitr. tile sewer in District Sewer 2, Impvt. 25.

Mich., Detroit—Aug. 31, by Dept. Pub. Wks., 1,251 ft. brick or monolithic concrete sewers in Liddesdale Ave., Sect. 1 in Liddesdale and Sanders Aves. from Pelham to Oakwood pumping station, 1,133 ft. 10 in. and 80 ft. 3 in. cylinder, 38 ft. of 24 in. crock bypass. J. W. Reid, city engr.

Ia., Sioux City—Aug. 29, at office F. A. Garnsey, clk., rein.-con. or rein.-brick and concrete storm water conduit; adv. this issue.

Kan., Lyons—Aug. 27, by S. L. Dinsmore, city clk., sewers in various streets 54,775 ft. 8-15 in. vitr. clay and 1,775 ft. 6-8 in. c.i. pipe, etc. $90,000. C. A. Haskins, 517 Finance Bldg., Kansas City, engr.

Mo., St. Louis—Sept. 11, by Bd. Pub. Serv., 208 City Hall, 3,760 ft. 8-27 in. vitr. clay sewer in Harlem Dist. Sewer 22, $15,250; 305 ft. 8-12 in. vitr. clay sewer in Ohio Dist. Sewer 26, $1,500. W. W. Horner, 300 City Hall, engr. Noted June 12.

Tex., Ft. Worth—Aug. 28, sanitary sewers and laterals in Sycamore Heights and Tandy Addition. To exceed $25,000. D. L. Lewis, city engr. J. B. Hawley, Cotton Exch. Bldg., consult. engr.

Tex., Grand Prairie—Aug. 30, by City Comn., sewerage system and disposal plant. $65,000. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs. Noted July 19.

Alta, Drumheller—Taking bids two electrically driven sewerage pumping units, 300 gal. per min. pumps. Haddin & Mills Ltd., Calgary, engrs.

Ont., Fort Erie—Nov. 1, by Town Council, linking up proposed Fort Erie sewerage system with Bridgeburgs. $35,000. A. E. Seaton town clk.

BIDS RECEIVED

New York—Transit Comn., 49 Lafayette Ave., New York City, Aug. 10, miscellaneous drainage and sewers in Boros of Manhattan, Brooklyn and Queens, Agreement "CO," from F. Persicano, 350 Fulton St., Brooklyn, $20,570. Noted Aug. 2.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Aug. 16, sewers in (1) Mayflower Ave. (2) Bradford Ave. (3) West 262nd St. (4) Holland Ave. (5) Randall Ave., grading and building inlets in (6) Magneta St. (7) Spuyten Duyvil Parkway (8) Lurtin Ave. (9) unnamed streets (10) Hone Ave. (11) Yates Ave. (12) Knapp St. (13) Delafield Ave., concrete culvert across (14) Ludlow Ave., from Norton Eng. & Contg. Co., (1) $2,053; J. V. Timoney Constr. Co., 220 East 201st St., (2) $10,303; A. Gregorio, (3) $3,609; M. Del Balso, 660 East 221st St., (4) $6,396 (14) $11,997; McDonald & Wilson Co., (5) $8,558; I. F. Cavaluzzo, 1538 Walton Ave., (6) $4,851 (8) $18,804 (11) $26,309; O'Connoll & Strada, Inc., 3318 Olinville Ave., (7) $20,862 (13) $131; Spadero & Turriamo Co., 3185 East Tremont Ave., (9) $619; Spadero Contg. Co., 827 East 217th St., (10) $15,133; C. Petrillo Co., Inc., (12) $1,445. Noted Aug. 9.

N. J., Bloomfield — See "Streets and Roads."

N. J., Irvington (branch of Newark)—See "Streets and Roads."

Pa., Phila.—For substructure and superstructure of Southwest sewage pumping station, 40th Ward, from W. G. I. Contg. Co., Arch and Broad Sts., $174,132. Noted Aug. 9.

Mich., Springwells — Building 3,000 ft. Chase Rd. Trunk Sewer, and 3,930 ft. Mulkey Ave. Storm Sewer, from R. Mercier, 5435 Wesson Ave., Detroit, $310,000 and $154,000, respectively; 49,800 ft. lateral sewer in Dist. 17, north of Dix Ave., from Hammen & Co., 4612 Woodward Ave., Detroit, $131,759. Noted June 14.

Calif., Lodi—Sewage disposal plant, etc., from W. H. Graham, Lodi, $53,737. Noted Aug. 2.

Calif., Long Beach—Ejector plant and sewerage system in Dist. 1, from Churchill Co., 350 Merrick St., Los Angeles, $88,820. Noted June 7.

Calif., Oakland — Sewers in portions of Jackson St., from Cambar & Garden, 969 Third St., 222 lin.ft. 12 in. vitr. pipe $1.35, 243 lin.ft. 14 in. vitr. pipe $2.90, 528 lin.ft. 18 in. vitr. pipe $3.50, 312 lin.ft. 21 in. vitr. pipe $4.10, 1,131 lin.ft. 30 in. concrete pipe $6.20, 400 ft. 10 in. pipe conduit $1.30, etc. Noted July 12.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to J. J. Guinan Contg. Co., 2314 Gravesend Ave., sewers in East 3rd St., 96% engrs. est. ($8,433); to Tomassetti & Co., Inc., 1133 60th St., Mansfield Pl., 82.95% ($5,601), 73rd St. 92.92% ($4,429), East 52nd St. 88.88% ($4,395), Ocean Ave. 94% ($3,226), 79th St. 94.94% ($28,134), 58th St. 98.98% ($3,808); to B. Peconi & Sons, Lenox Rd., 90% ($5,301); to Nazzaro & Querriero, 81st St., 99.96% ($3,971), Ave. T 101% ($14,178), Ave. L 86% ($12,469); to S. Ambrosio, 1016 60th St., 7th Ave. 98% ($2,998); to Manmill Constr. Co., 2035 Douglas St., 20th Ave. 110% ($2,894), 82nd St. 98% ($2,339), Fort Hamilton Parkway 119% ($895), Lott Ave. 93.5% ($1,644);

Sewers (Continued)

to C. F. Vacharas, 645 40th St., Fort Hamilton Parkway, 111% ($1,313); to F. Meridino, 540 17th St., Sheffield Ave. 125% ($4,400). Noted Aug 9.

N. Y., Oneida—Sewage disposal plant, to Rock Bros. and Griffin, Antwerp, $54,990. Noted Feb. 1.

N. J., Bloomfield—J. C. Johnson, town clk., Aug. 6, laying sidewalks and paving State St., 2 in. bituminous concrete on 6 in. concrete, from Standard Bitulithic Co., 30 Church St., New York City, $9,140; bluestone curbing and paving 2,500 sq.yd. Race St., asphalt penetration telford, also 300 sq.ft. new bluestone sidewalk, grading and relaying 5,000 sq.ft. bluestone sidewalk on Watsessing Ave., from Marvaro & Tempesta, 396 Glen Ridge Ave., Montclair, $9,006 and $2,157; 1,000 ft. storm sewer in East Passaic Ave., from J. R. Frisco, Montclair, $2,887. No bids received bluestone curbing 1,300 ft. Bay Ave. Noted Aug. 2.

Pa., Erie—West side interceptor sewer from 4th and Cranberry Sts. to Rosemount Ave in Kahkwa Park, to W. Bancroft, Erie, $123,000.

Pa., Phila.—For Northeast sewage treatment works, Wheatsheaf Lane east of Richmond St., to M. and J. B. McHugh, 802 Markoe St., $76,331.

Ky., Ashland—Sewerage system to J. H. Sluss Constr. Co., Graham, Va., $270,626. Noted Aug. 2.

Wis., Marshfield—For 2,105 lin.ft. concrete trunk sewers, etc., in various streets, to Pastoret Constr. Co., 506 Sellwood Bldg., Duluth, Minn. $28,367. Noted Aug. 2.

Wis., Milwaukee—Sewerage Comn., 508 Market St., low level sewers in various streets to Wenzel & Henoch Co., 498 27th St., $108,955. Noted Aug. 8.

Wis., Thorp—Sewer extensions and sewage disposal plant, to E. C. Munson, Withee. Noted June 21.

Mo., Richmond Heights (St. Louis, P. O.)—For 17,500 ft. 6-30 in. vitr. clay and 33-60 in. segmental block sewers, to R. D. Clark, Cape Girardeau. Engrs. est. $69,000. Noted Aug. 2.

Mo., Salisbury—Sanitary sewerage system, to Ray & Son, Baxter Springs, Kan., $45,000. Noted July 19.

Wash., Hoquiam—City Comn., sanitary sewers in East Hoquiam Dist., 28th St., to Keasel Constr. Co., Tacoma, $29,270. Engrs. est. $27,000.

Calif., Los Angeles—City, furnishing submarine rein.-con. pipe for Sect. 1, north outfall sewer, to J. Balch, 696 12th St., San Pedro, $147,000; laying pipe to Merritt-Chapman & Scott Corp., 17 Battery Pl., New York City, $496,000.

Calif., Los Angeles—For Sect. 10, outfall sewer, 1,440 lin.ft. 6 ft. and 6,127 lin.ft. 8 ft. 6 in. pre-cast pipe, etc., to Smith Bros. Inc. and Callahan Constr. Co., Detwiler Bldg., $214,443. Noted June 21.

Calif., Pasadena—Constructing steel and rein.-con. storm drain sewers in portions Walnut and Bway. Sts., to P. H. Ehlers, 1959 North Raymond Ave., $44,900.

Waste Disposal

BIDS DESIRED

Fla., St. Petersburg—Sept. 17, at office H. T. Davis, dir. finance, garbage incinerator; adv. E. N.-R. Aug. 23.

Ont., Crystal Beach—Taking bids garbage incinerator.

BIDS RECEIVED

Calif., Sacramento—Constructing 150 ton incinerator, from F. L. De Carie, Portland, Ore., $195,000. Noted May 31.

Bridges

PROPOSED WORK

Vermont — State Hy. Dept., Montpelier, plans 41 ft. span concrete bridge, incl. 0.11 mi. graveled surface approach, in Chester, Federal Aid Project 46; 70 ft. steel span bridge with 0.09 mi. graveled surface approach in Bloomfield, Federal Aid Project 47; 45 ft. concrete bridge with 0.15 mi. graveled surface approach, in Ferdinand, Federal Aid Project 44; 82 ft. span plate girder bridge with 0.21 mi. graveled surface approach in Woodford, Federal Aid Project 48. T. W. Dix, ch. engr.

Kan., Winfield—Crowley Co. plans election soon to vote on $500,000 bonds to rebuild bridges recently destroyed by flood. W. S. Ruggles, Jr., Arkansas City, engr.

S. D., Edgemont—State Hy. Dept., Pierre, takes bids in fall for six 60 ft. rein.-con. deck girder bridge, on Federal Aid Project 159, Fall River Co., here. $41,418. F. D. Hudgings, state engr.

Tex., Beaumont—B. B. Johnson, judge Jefferson Co., rejected bids for 3,214 ft. concrete and steel bridge, over Neches River. Will readvertise. $503,900. A. C. Love, co. engr. Noted July 5.

Tex., Cameron—See "Streets and Roads."

Tex., Halletsville — See "Streets and Roads."

Tex., Marlin—See "Streets and Roads."

BIDS DESIRED

New Jersey—Aug. 27, by Joint Bridge Com. of Essex and Hudson Counties, Court House (Newark), repairing and repaving bridge over Passaic River, Jackson St., concrete and wood block. $60,000. W. H. Stickler, Court House, Newark, and F. Radigan, Jersey City, engrs. Noted July 19.

N. J., Keyport—Sept. 5, by Bd. Freeholders, Monmouth Co. (Freehold), constructing new timber floor and repairs and additions to steel trusses of Bridge R-1, here. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Aug. 23.

N. J., Plainfield—Sept. 4, by Common Council, concrete and steel railroad trestle, with retaining wall about 60 ft. long and 15 ft. high. A. W. Vars, City Hall, city engr.; adv. E. N.-R. Aug. 23.

Pa., Phila.—Sept. 19, for wire cables for bridge across Delaware River connecting Phila., Pa., and Camden, N. J. Former bids rejected. Noted Aug. 20.

Ind., Ft. Wayne—Sept. 12, by Bd. Comrs. Allen Co., bridge over Maumee River, at Columbia, here. J. H. Johnson, co. aud.; adv. E. N.-R. Aug. 23.

Minnesota—Sept. 5, by State Hy. Dept., St. Paul, Bridge 4090, on State Project 3-39, Federal Aid Project 327, over Clearwater River, Wabasha Co., five 75 ft. truss spans, $30,000; Bridge 4138, on State Project 59-23, Federal Aid Project 335, over Zumbro River, in Rochester, Olmsted Co., three 65 ft. low truss spans, $25,000. J. T. Ellison, ch. bridge engr.

South Dakota—See "Streets & Roads."

South Dakota—See "Streets & Roads."

Ark., Pine Bluff—See "Streets and Roads."

Tex., Canadian—Sept. 15, by Hemphill Co. concrete bridge, over Washita River, on D C D highway. $30,000. G. W. Wicklin, Austin, engr.

Calif., Helm—See "Excavation, Drainage, Irrigation."

Calif., Ventura — Supervs. Ventura Co. receiving bids repairing Montalvo Bridge, 263,874 ft. timber in floor system, 19,620 ft. timber in railing, 11,200 ft. new timber in truss members, 29,696 sq.ft. pavement.

BIDS RECEIVED

New Jersey—State Hy. Comn., Trenton, Aug. 13, steel and concrete bridge, two 73 ft. spans, 30 ft. roadway, rein.-con. slab approaches, over Crosswicks Creek, Burlington and Mercer Counties, from A. L. Primpe, 202 State Trust Bldg., Plainfield, $80,400. Noted July 26.

S. C., Charleston—Charleston Co., 1,733 ft. bridge over Ashley River, 43 ft. wide, steel structure from Hardaway Constr. Co., 909 Elizabeth Ave., Charlotte, N. C., $995,-188; concrete, from Sanford & Brooks, 24 Commerce St., Baltimore, Md., $1,067,465. Noted July 5.

O., Cincinnati—See "Streets and Roads."

Mich., Marine City — State Hy. Dept., Lansing, 135 ft. swing bridge No. 770901, here, 320,000 lb. steel, from Wisconsin Bridge & Iron Co., North Milwaukee, Wis., $51,473. Noted June 14.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, constructing bridges, **c g means concrete girder, c s concrete slab, c c concrete culvert, super superstructure, sub substructure, 1 c g 12-20B Clinton, means (1 concrete girder, Route 12, Sect. 20B, Clinton Co.),** 1 c g 12-10B Clay and 2 c g 12-11B Clay, from Zimmerly Bridge Co., Paris, $13,840, $10,-166 and $14,089 respectively; 2 c g 1-22B Crawford and 1 c s, 1 c g and 1 c c, 1-23B Crawford, from C. Newton, Hudsonville, $19,093 and $23,244 respectively; 1 sub for steel 1-24B Clark, 1 c g 1-43 and 1 c g 1-144 Vermilion, from M. & P. Contg. Co., Rockport, Ind., $6,664, $11,987 and $6,417 respectively; super for steel 1-24C Clark from Vincennes Bridge Co., Vincennes, Ind., $12,958; 2 c g and 1 c s 2-19B Shelby-Christian from D. W. Carmine, Sullivan, $20,451; 1 c g, 1 sub for steel and 3 c s 9-17 B Ford from I. D. Lain, Bloomington, $18,125; 1 c g and 1 c c 2-46B and 1 c g and 1 c s 2-47B Shelby from General Constr. Co., Decatur, $5,393 and $6,479 respectively; 1 c g 2-20B Fayette-Shelby from L. C. Kesler, Edwardsville, $7,308; 1 super for steel 9-17C Ford from Continental Bridge Co., Monadnock Blk., Chicago, $5,971; 2 c s 9-44B, 2 c g and 1 sub for steel 9-45B and 1 super for steel 9-45C Peoria, from M. R. Deyo & Co., 1126 West Washington St., Peoria, $4,926, $22,118 and $6,335, respectively; 4 c s and 1 c c 38-4B Calhoun from Gaines Bros. Co., $15,171; 2 c s and 2 c s 38-5B Calhoun from Public Works Constr. Co., St. Louis, Mo., $28,861; 2 c s 18-29B McHenry from Button Bros., $13,920; 3 c c 23-21B McHenry and 1 c s 9-31B Cook from F. M. Hughes, Dixon, $5,409 and $7,499. Noted Aug. 2.

Wash., Easton—State Hy. Comn., Olympia, Aug. 7, rein.-con. bridge over Yakima River on Sunset Highway, near here, Kittitas Co., from Union Bridge Co., Central Bldg., Seattle, $36,750.

California—State Hy. Comn., Sacramento, bridge over Whitewater River, near Whitewater, Riverside Co., eight 54 ft. rein.-con. girder spans with concrete piers, abutments and wing walls, etc., from Gibbons & Reed Co., 905 South Olive St., Los Angeles, $126,-132. Noted July 19.

Calif., Ventura — Supervs. Ventura Co., rein.-con. bridge with seven 30 ft. spans, concrete pile piers and abutments, timber pile foundation, over Conejo Creek, from J. Short, 420 South Beaudry Ave., Los Angeles, $23,900. Noted July 26.

CONTRACT AWARDED

New York—Committee on Bridges at office of C. MacDonald, engr. Westchester Co., Court House, White Plains, completing Van Cortlandt Bridge over Croton River, on Albany Post Rd. between towns of Cortlandt and Ossining, to Eltonwood Constr. Co., 60 East 96th St., New York City, $120,848. Noted July 26.

Pa., Waynesburg — Comrs. Greene Co., Court House, 132 ft. concrete bridge, 2 spans, one coffer dam, 4 mi. east of Pratt Bridge, to Lippencott Bros., Waynesburg, $28,440.

Tennessee—State Hy. Dept., Nashville, bridges over 20 ft. span on Federal Aid Project 94, to Little & Dean, Memphis, $13,496; bridges over 20 ft. span on Federal Aid Project 96, to Luten Bridge Co., 405 East 4th Ave., Knoxville, $32,810; 2 bridges on State Project 129, Hickman Co., to F. H. Crow & Co., 42nd Ave. N., Nashville, $37,245; rein.-con. bridge over Drake Creek, Federal Aid Project 63 E, Sumner Co., and bridge over Stones River, Federal Aid Project 89, Rutherford Co., to Clayton Paving Co., 44 Noel Blk., Nashville, $18,624 and $27,001 respectively. Noted July 26 under "Streets and Roads."

Indiana—State Hy. Comn., Indianapolis, constructing bridges, **s t means steel truss, super. superstructure, sub. substructure, r c g rein.-con. girder, r c s rein.-con. slab, r c b rein.-con. box, F A Federal Aid, S A State Aid; s t sub., F A 21A, 1-E, Jackson, means steel truss substructure, Federal Aid 21A, State Rd. 1-E, Jackson Co.;** to F. K. Vaughn Bldg. Co., Coke Otto, Hamilton, O., 3 s t sub., F A 21A, 1-E, Jackson, s t sub., F A 21C, 1-B, and r c g, F A 21C, 1-B, Clark, s t sub., F A 21D, 1-C, s t sub., F A 21E, 1-D, and extension to slab, F A 21D, 1-C, Scott Co., total $44,261, engrs. est. $45,764; to Bryant & Smelser, Plymouth, r c b, F A 10B, 1-X, St. Joseph, $7,080, $7,917; to International Steel & Iron Co., Evansville, s t, super., F A 36, 10-A, Vanderburgh, $19,986, $20,922; to M and P Contract Co., Rockport, r c s, s t and r c g, all F A 36, 10-A, Vanderburgh, $19,793, $20,600; to R. Spurgeon, Ligonier, s t, F A 44A, 2-M, Allen, $7,558, $7,901; to Vincennes Bridge Co., Vincennes, s t, F A 49A, 25-D, Steuben, $10,514, $10,715, s t, S A 5A, 5-A, Knox, $4,659, $4,937; to Natl. Concrete Co., 825 Lemcke Bldg., Indianapolis, s t, F A 53, 9-I, Clay, $86,863, $89,322; to Schroeter Bros., Hammond, r c s, S A 2C, 2-C, Porter, $3,150, $3,452; to J. E. Sweet & Sons, Woodburn, s t, S A 8B, 8-B, Jasper, $4,047, $4,355; to Black & Bowman, Knightstown, r c g, S A 11D, 11-D, Madison, $4,347, $5,609; r c g, S A 12G, 12-G, Owen and r c g, S A 32C, 32-C, Putnam, $7,487, $8,663; to J. L. Hamilton, Greencastle; to Lewis & Spoor, Knox, r c b, S A 15, 15-E, r c b, S A 15E, 15-E, r c s S A 50C, 50-C, and s t, S A 50C, 50-C, all in Starke Co., $14,649, $15,872, also s t, S A 50D, 50-D, Marshall, $6,816, $7,598; to McCartney & Davidson, Saratoga, s t, S A 21F, 21-F, Randolph, $7,297, $7,768; to Consumers Coal & Supply Co., Urbana, s t and r c s, S A 27A, 27-A, Wabash, $7,962, $9,900. Noted July 12.

Ia., Waterloo—Black Hawk Co., 1 steel and concrete bridge with three 130 ft. spans,

Bridges (Continued)

and 13 small concrete bridges on Primary Rd. 40, to Parsons & Meyers Co., Dyersville, $48,955.

Minn., Carlton—State Hy. Dept., St. Paul, Bridge 4004, three 162 ft. spans, steel and concrete, here, State Project 1-42, Federal Aid Project 325, to L. E. Baum, 2305 Ogden Ave., Superior, Wis., $49,812. Noted July 12, under "Streets and Roads," Minnesota.

Wyo., Alcova—State Hy. Dept., Cheyenne, steel truss bridge, two 161 ft. spans, over North Platte River, near here, Natrona Co., to Missouri Valley Bridge & Iron Works, 319 Idaho Bldg., Boise, Idaho, $48,342. Noted Aug. 2.

Washington—State Hy. Dept., Olympia, Indian Timothy Memorial Bridge, 200 ft., over Alpowa Creek, Asotin Co., to Colonial Building Co., Hutton Bldg., Spokane, 218 cu.yd. Class A rein.-con. $34, 270 cu.yd. Class B $35, 170 cu.yd. Class C $30, 80 cu. yd. Class E $30, 97,000 lb. reinforcing $0.08, etc., total $35,120; 1,200 ft. rein.-con. bridge over south fork of Lewis River at La Center, Clarke Co., to H. C. Goerig, Portland, Ore., 1,900 cu.yd. Class A rein.-con. $20, 1,360 cu.yd. Class B $19, 400 cu.yd. Class C $25, 530,000 lb. reinforcing $0.05, 2,400 lin.ft. wooden piling $0.70, etc., total $180,072, engrs. est. $200,000; 221 ft. rein.-con. bridge across Salmon Creek south of Toledo, to Union Bridge Co., Central Bldg., Seattle, $25,727.

Dams

PROPOSED WORK

N. Y., Hornell—See "Miscellaneous."

Wis., Iron River—Iron River Water & Light Co., plans to rebuild rein.-con. and earth dam recently washed out, 5 ft., base, 1 ft. top. $25,000-$30,000. T. F. MacMiller, pres. Engineer not selected.

Mo., Stockton—See "Industrial Works."

CONTRACTS AWARDED

Calif., Merced—Merced Irrigation Dist. rejected bids and will construct Exchequer Dam, by day labor. Noted Aug. 16.

Railways

PROPOSED WORK

Connecticut—Connecticut Co., 127 State St., Hartford, plans laying 3,000 ft. double tracks on Park St. from Zion to Laurel Sts. To exceed $25,000.

North Carolina—Wellington & Powellsville R.R., 617 Bd. of Trade Bldg., Norfolk, Va., having plans prepared changing narrow gage to standard gage and extending same from Windsor to Roanoke River, about 7 mi., also building branch line about 19 mi. long from Ahoskie to Pendleton via Union and Murfreesboro. W. M. Corwin, Ahoskie, supt.

Illinois—See "Industrial Works."

BIDS DESIRED

California—Sept. 4, by A. L. Cowell, secy. Merced Irrigation Dist., Merced, relocation of Yosemite Valley R.R. (approximately 16 mi.), bids may be submitted for complete project or for (1) grading (2) tunneling (3) trestles and placing culverts (4) tracklaying and ballasting. Starr-Thebo-Anderton, Sharon Bldg., San Francisco, engrs.

CONTRACTS AWARDED

Louisiana—Alexandria & Western Ry., Alexandria, 5 mi. road bed between McFarland and Alexandria to List & Gifford, Merchants-Laclede Bldg., St. Louis, Mo., $55,000. Noted July 12.

Excavation, Drainage Irrigation

PROPOSED WORK

N. Y., Hornell—See "Miscellaneous."

Wis., Belleville—Dane Co. Drainage Bd. making plans 15,900 ft. 6-15 in. vitr. tile drain. $25,000. P. H. Hintze, Court House, Madison, engr.

Wis., Vienna—Catfish River Drainage Dist., c/o F. Bell, 2 South Carroll St., Madison, having plans prepared for drainage system, 1,500 acres, open ditch and tile drain, 12, 16 and 18 in. vitr. tile, in Dane Co. P. H. Hintze, Court House, Madison, engr.

Calif., Bishop—Owens Valley Irrigation Dist. voted $1,650,000 bonds for irrigation works.

BIDS DESIRED

La., Lake Charles—Sept. 18, by Police Jury Calcasieu Parish, constructing sections of Navigation Canal 30 ft. deep, 125 ft. wide from here to Sabine River. F. Shutts, parish engr.; adv. E. N.-R. Aug. 23.

Ia., Council Bluffs—Aug. 31, by Pottawattamie Co., drainage improvements for Pony Creek D. D. 23, incl. main ditch and 5 laterals, 239,600 cu.yd. excav., etc. G. B. Sparks, aud.

Mich., Detroit—P. T. Cret and Zantzinger, Bowie & Medary, 112 South 16th St., Phila., Pa., taking bids for Contract 2 incl. excav., grading, foundation work, footings and underground drainage, etc., for 2 story and basement, 95x148 ft., 95x290 ft. and 112 x 148 ft., rein.-con., brick and stone art institution, plain foundation, Woodward Ave., here, for Detroit Institute of Art, 704 East Jefferson St.

Calif., Helm—Sept. 4, by R. M. Bostwick, secy. Stinson Irrigation Dist., irrigation improvements as follows (1) 10-20 vertical shaft induction motors, etc. (2) 3-6 horizontal shaft induction motors, etc. (3) 3-6 deep well turbine or propeller pumps, etc. (4) 10-14 deep well turbine or propeller pumps, etc. (5) drilling 3-6 wells, cased with 14 in. double No. 12 gauge stove pipe casing, 400-800 ft. deep, etc., alternative drilling 3-6 wells, cased with 14 in. double No. 12 gauge casing to depth of 100 ft. and then with 12 in. double No. 12 gauge casing to total depth from surface of from 400 to 900 ft. deep, etc. (6) furnishing material (except cement) and constructing 14-20 pump houses, derricks, etc. (7) material only (except cement) for foregoing pump houses (8) 15-20 deep well pumps and motors, etc. (9) 15-20 Dayton couplings for steel pipe, etc. (10) 2-4 carloads cement at Burrel or Helm (11) 4-8 carloads gravel and 2-4 carloads sand at Burrel or Helm (12) 2,000-2,500 ft. 18-36 in. cement pipe (13) 148 more or less cement turnout boxes (14) 148 more or less, 20 in. diameter metal gates, etc. (15) 150,000 cu.yd. more or less earth work, etc. (16) 15,000 sq.ft. more or less reinforcing steel (17) 41 bridges across canals and laterals (18) 20 more or less headgates, 20 more or less checks in laterals, 7 checks in canals (19) 15 more or less syphons across sloughs (20) hauling cement, gravel, sand, lumber, etc., from Helm or Burrel to various locations in Dist. Quinton, Code & Hill, 1106 Hollingsworth Bldg., Los Angeles, consult. engrs.

Calif., Paradise—Aug. 22, by Directors Paradise Irrigation Dist., plans trenching and raising dam, (a) digging trench 19,095 ft. 14 x 22 in. and backfill; (b) digging trench 5,100 ft. 18 x 24 in. and backfill; (c) furnishing 780 ft. 2 in., 10,345 ft. 3 in. and 8,720 ft. 4 in. standard black (or similar) pipe; (d) furnishing 5,100 ft. soil-proof riveted steel pipe 5, 6 and 7 in. (e) hauling pipe and fittings, (f) laying pipe and fittings, etc. J. E. Alley, supt.

Calif., Selma—Sept. 4, by I. H Teilman, ch. engr., Consolidated Irrigation Dist., rein.-con. intake at Diversion Dam on Kings River, one for Centerville and Kingsbury Canal, and one for Fowler Switch canal, also rein.-con. outlet for China Slough.

BIDS RECEIVED

New Jersey—Bd. Commerce & Navigation, Trenton, dredging section of proposed inland waterway connecting Barnegat Bay with Manasquan River, Ocean Co., from J. M. Taylor, New York City, (1) $0.455 (2) $0.445. Noted Aug. 2.

Wis., La Crosse—Dredging, from La Crosse Dredging Co., P. O. Box 357, Muscatine, Ia., 60,000 cu.yd. in channel in Isle La Plume slough $0.235 per cu.yd., 56,760 cu.yd. Black River $0.24, 86,370 cu.yd. at Pettibone Park Beach, incl. 2,630 cu.yd. earth excav. $0.205, beach at Copeland Park $190 per 11 hr. shift.

Calif., Chico—Butte Creek D. D. cleaning out Butte Creek, from California Dredging Co., Hobart Bldg., San Francisco, 80,000 yd. excav. in outlet drains at $0.20 per yd., 20,000 yd. excav. in drainage canal $0.25.

CONTRACTS AWARDED

Iowa—Story Co. (Nevada) and Boone Co. (Boone), 41,603 lin.ft. 6-36 in. tile and relaying 1,300 ft. 18 in. tile in D. D. 10, to McHose Sand & Tile Co., Boone, for tile, $36,584; to C. Haugsted, Nevada, for labor, $16,400. Noted Aug. 9 under Nevada, Ia.

Ind., Gary—City, reclaiming 20,000 acres swamp in Little Calumet River, known as Burns Ditch, south of here, to Walb Constr. Co., LaGrange, $283,569.

Tex., Harlingen—Cameron Co. Water Impvt. Dist. 1, 300,000 cu.yd. excav., to J. Ballinger, San Benito, $37,590; structures, to Card & Metcalf, Mission, $22,915. Noted July 26.

Calif., Newport—Parkinson Syndicate Interests, dredging channel in vicinity of county turning basin, to Los Angeles Dredging Co., Seaside Park, Long Beach, $500,000.

Streets and Roads

PROPOSED WORK

Vermont—State Hy. Dept., Montpelier, plans paving 2.35 mi. Williamstown-Bennington Rd., in Pownal, Federal Aid Project 42, and 1.54 mi. Munson Flats Rd., in Colchester, Federal Aid Project 41, concrete; 2.02 mi. Boston Rd., in Clarendon, Federal Aid Project 45, 1.43 mi. Whitmore Rd., in Milton, Federal Aid Project 36, and 0.16 mi. approach to Richmond Overpass, Federal Aid Project 43, gravel. T. W. Dix, ch. engr.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, rejected bids Aug. 1, repaving 41st St., asphalt, and grading, curbing and flagging Lenox Rd. Noted Aug. 9.

N. Y., Dansville—City and State Hy. Dept., Albany, plan improving 1.1 mi. road from Dansville to Ossian, 18 ft., concrete. $60,000.

N. Y., Penn Yan—Yates Co. plans improving 4 mi. road connecting Penn Yan-Potter with Rushville-Potter Rds. 18 ft. with possible inclusion of 1½ mi. additional to connect Yates with Schuyler Rds. Yates Co. will appropriate $100,100, State $114,563 and Federal Government $71,338 toward cost. Bids will be opened by Supervs. Yates Co.

New Jersey—State Hy. Dept., Trenton, plans improving 1¼ mi. Mile Hollow cut-off Rd., Burlington Co., concrete. W. G. Sloan, Mechanic Bldg., Trenton, engr.

Pa., Waynesburg—Greene Co. election Sept. 18, to vote on $2,000,000 bonds for road work. T. B. Dinsmore, co. engr.

W. Va., Parkersburg—City Council soon takes bids vitr. brick paving 3 mi. Market St., etc. $150,000. B. Woodyard, city engr.

N. C., Greensboro—Plans widening Greene St. from Buchanan to Bellemeade Sts. and extending same from Bellemead St. to Battleground Ave., extending Depot St. from Elm to Greene Sts., paving East Lee St. from Ashboro to Martin Sts. P. C. Painter, city mgr.

Fla., Arcadia—Sept. 3, to vote on $50,000 bonds 10,700 sq.yd. vitr. brick pavement, 9,900 sq.yd. 6 in. limestone base. Cravens & Kimmel, Arcadia, engrs.

Fla., Clearwater—Pinellas Co. election Sept. 11, to vote on $252,000 bonds hard-surfacing roads and bridges. J. N. Brown, co. clk.

Fla., Tavares—Lake Co. returned bids unopened grading and sand-clay surfacing 15½ mi. Rds. 8 to 13 inclusive, $29,250; 17.3 mi. Rds. 4, 5, 6 and 7, $26,000; 25.1 mi. Rds. 1 B, 2 and 3, $37,500. G. E. Heller, Tavares, engr. Noted July 26.

Miss., Crystal Springs—Voted $30,000 bonds to complete sewerage system.

Tennessee—State Dept. Hys. and Pub. Wks., Nashville, had surveys made constructing 14 mi. highway between Brownsville and Tipton Co. line, Haywood Co., 18 ft. J. G. Creveling, Nashville, comr. Noted Aug. 16.

Tennessee—State Hy. Dept., Nashville, rejected bids constructing 5 mi. road between White Co. line and Pleasant Hill, State Project 130, Cumberland Co. Will readvertise.

Tenn., Memphis—City plans asphalt paving several blocks Jefferson Ave. from Lauderdale to Neeley Sts. $131,519. W. B. Fowler, city engr.

Kentucky—State Hy. Dept., Frankfort, plans grading 11.529 mi. Salyersville-West Liberty Rd., 24 and 28 ft., Morgan Co.; 10.941 mi. Ravenna-Lee Co. line Rd., State Project 29, Sect. B, 24 and 28 ft., Estill Co., 158,280 cu.yd. earth, 94,186 cu.yd. solid rock, 1,986 cu.yd. loose rock and 22,945 cu.yd. borrow excav., 41,302 yd. sta. overhaul, etc. J. S. Boggs, state highway engr.

O., Akron—S. Porter, clk Summit Co., rejected bids Aug. 30, grading and paving 4.12 mi. Cleveland-East Liverpool Rd. 12, 16 ft., bituminous concrete or bitoslag. $150,269. Noted July 26.

O., Canton—Stark Co. takes bids in fall paving 2 mi. Canton-Massillon Rd., 20 ft., brick. State will appropriate $25,875 and County $52,625 toward cost; 2 mi. Massillon-Wooster Rd., 20 ft., State will appropriate $23,000 and County $41,000. G. Sickafoose, Court House, engr.

O., Dayton—Plans paving Illinois Ave., brick on concrete, $12,305; Kilmer St., brick or sheet asphalt on concrete, $21,006. Work involves 1,200 lin.ft. concrete curb and gutter, 8,000 sq.yd. vitr. brick. I. E. Houk, city engr.

Michigan—State Hy. Dept., Lansing, soon takes bid grading and gravel surfacing 3 mi. State Trunk Line Rd. 55-10, Roscom-

Streets and Roads (Continued)

mon Co., 9 mi. Federal Aid Project 105, Sect. A, Iron.; grading and surfacing with concrete 1 mi. State Trunk Line Rd. 11-57, Ottawa Co. F. F. Rogers, state comr.

Michigan—State Hy. Dept., rejected bids grading and surfacing 1.25 mi. Federal Aid Project 68, Sect. C, Clinton Co., 1,786 cu.yd. excav., 13,200 sq.yd. concrete. F. F. Rogers, state comr. Noted Aug. 16.

Michigan—State Hy Dept., Lansing, soon takes bids improving roads, (S. T. L. Rd. 95-1, Presque Isle, means State Trunk Line Rd. 95-1, Presque Isle Co.) gravel surfacing 5 mi. S. T. L. Rd. 95-1, Presque Isle, 5 mi. S. T. L. Rd. 18-24, Gladwin, 3½ mi. S. T. L. Rd. 15-12, Sect. B, Menominee, 3 mi. S. T. L. Rd. 33-4, Sect. A, and 4 mi. S. T. L. Rd. 33-3, Sect. B, Oscoda. F. F. Rogers, state comr.

Ill., Astoria—Making revised plans paving 2 mi. Bway and Main St., rein.-con., 30 ft. $60,000-$75,000. W. A. Fuller, 1917 Ry. Exch. Bldg., St. Louis, Mo., engr. Noted Feb. 8.

Ill., East St. Louis—Making plans grading and rein.-con. paving 6 mi. State St., parkway for street cars in center, 5 ft. sidewalks, street 66 ft. wide. $375,000-$425,000. W. McK. Brown, City Hall, engr.

Wis., Wausau — Plans concrete paving and grading Adams St. from 9th to 10th Sts., Bridge St. from 3rd to 6th Sts., and Chicago Ave. from 3rd to 6th Sts. $25,000. B. C. Gowen, City Hall, engr.

Minn., Pine City—Pine Co. voted to issue $140,000 bonds for trunk highway improvements. State Highway Dept., 1246 University Ave., St. Paul, engrs.

Kan., Bronson—Bourbon Co. (Ft. Scott) soon takes bids grading and surfacing 1.076 mi. portions of Bay, Clay, Spruce and Line Sts., 18-45 ft., concrete, Federal Aid Project 118, here. B. Boyle, Ft. Scott, co. engr.

Kan., Marysville—Soon takes bids paving 15 blocks, various types. Shockley Eng. Co., 800 Graphic Art Bldg., Kansas City, Mo., engrs.

South Dakota—State Hy. Dept., Pierre, takes bids in fall graveling 12,000 cu.yd. Federal Aid Project 156, Hughes and Hyde Counties. $44,380. F. D. Hudgins, state engr.

S. D., Yankton—Plans to pave 12 blocks West 8th St. $42,000. J. W. Summers, city aud.

Wyo., Cheyenne—Making plans grading, paving and curbing 4,000 ft. 18th St., 40 and 50 ft. $65,000. J. A. Bruce, Cheyenne, engr.

Missouri—State Hy. Dept., Jefferson City, plans grading roads in St. Louis and Howard Counties, 14,969 cu.yd. earth excav. and 95,261 cu.yd. borrow; concrete paving 23,354 sq.yd. Federal Aid Project 205 C, Buchanan Co. B. H. Piepmeier, state highway engr.

Missouri — State Hy. Dept., Jefferson City, plans grading roads in Boone and Cooper Counties, 161,150 cu.yd. earth and 18,462 cu.yd. rock excav., 59,278 cu.yd. borrow; concrete paving 44,369 sq.yd. Federal Aid Project 205B, Buchanan Co. B. H. Piepmeier, state highway engr.

Mo., Clayton—St. Louis Co. received no bids July 18, grading and paving Chambers, Old Florissant, McKelvey and Creve Coeur Rds., 45,738 cu.yd. earth excav., 252.15 cu. yd. concrete, 3,681.81 squares macadam. $76,289. Will readvertise. W. Elbring, Court House, engr. Noted July 12.

Mo., University (St. Louis, P. O.)—Davis Realty & Development Co. purchased 90 acres land on Ferguson and Pennsylvania Aves. north of Olive Blvd. subdivision, and plans grading, installing streets, 6-36 in. sewers, sidewalks, etc. $250,000. Engineer not announced.

Ark., Little Rock—Having preliminary plans prepared paving 9,800 ft in Paving Dist. 356, incl. East 2nd St. from Main to Byrd Sts., Cumberland, Rock, Sherman, Ferry, Byrd and Collins Sts. from Markham to 3rd Sts. $100,000; grading and paving 15 blocks in Impvt. Dist. 360 East 21st St. from Cumberland to Barber Sts., Rock St. from 20th to 22nd Sts., portions East 20th and East 22nd Sts., from Cumberland to Rock Sts., $55,000; grading and probably rein.-con. paving 25 blocks in Impvt. Dist. 351, State St. from 10th to 20th Sts. and portions of intersecting streets, $90,000. W. T. Field, Gazette Bldg., engr.

Tex., Alpine—Brewster Co. making plans grading and gravel and caliche surfacing 8.5 mi. State Highway 12, 18 ft. $48,500. A. L. White, co. engr.

Tex., Breckenridge—Stephens Co. making plans grading, etc., with 2 in. asphaltic concrete top, modified Topeka mix, 15.8 mi. Bankhead Highway, 18 ft. $222,325. Nagle Witt Rollins Eng. Co., c/o A. G. Rollins, Breckenridge, engrs.

Tex., Cameron—Milam Co. making plans grading and gravel surfacing 10.5 mi. State Highway 43, 18 ft., also bridge over Little River. $175,000. A. F. Mitchell, co. engr.

Tex., Cleburne — Johnson Co. making plans grading and gravel surfacing 4.8 mi. State Highway 10 A, 16 ft. $29,625. R. E. Keller, co. engr.

Tex., Dallas—See "Waterworks."

Tex., Floresville — Wilson Co. voted $100,000 bonds supplemented by $200,000 Federal Aid, improving 16 mi. San Antonio-Corpus Christi Rd., 18 ft. Noted July 19.

Tex., Halletsville — Lavaca Co. making plans grading and bridging 14.2 mi. State Highway 3 A, 24 ft. $125,000. W. H. Koether, co. engr.

Tex., Hemphill—Sabine Co. making plans grading and gravel surfacing 8.4 mi. State Highway 8, 18 ft. $60,000. W. A. French, San Augustine, co. engr.

Tex., Jefferson—Marion Co. making plans grading and gravel surfacing 14.8 mi. Avinger Rd., 16 ft. $150,000. T. B. Warden, co. engr.

Tex., Kerrville—Kerr Co. making plans grading, surfacing with macadam base and bituminous topping 5.9 mi. State Highway 41, 18 ft. $61,500. W. E. Simpson, Natl. Bank of Commerce Bldg., San Antonio, engr.

Tex., Marlin — Falls Co. making plans grading, gravel or macadam surfacing and bridging 14 mi. State Highway 44, 18 ft. $200,000. J. P. Wehrung, Lott, co. engr.

Tex., Palo Pinto—Palo Pinto Co. making plans grading and surfacing with macadam base and bituminous topping 5 mi. Salesville Rd., 18 ft. $100,000. G. W. Courter, co. engr.

Tex., Roscoe—Nolan Co. making plans paving Bankhead Highway and Main St., 20 and 30 ft., concrete or bituminous. $30,000. Montgomery-Ward Co., Wichita Falls, engrs.

Tex., Sierra Blanca—Hudspeth Co. making plans grading and gravel surfacing 9 mi. State Highway 1, 18 ft. $36,000. J. W. Carter, Courthouse, El Paso, engr.

Tex., Wichita Falls—Wichita and Baylor Counties plan hard surfacing Wichita Falls Seymour Rd. $322,000 available. J. M. Isbell, Wichita Falls, engr.

Tex., Wichita Falls—Wichita Co. plans paving with rein.-con. 6 mi. state Highway 28, 18 ft. $180,000. J. M. Isbell, co. engr.

Okla., Sand Springs—Having plans prepared paving 12 blocks. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Washington—State Hy. Comn., Olympia, rejected bid opened July 31, grading and gravel surfacing 6.08 mi. Olympic Highway, Quianult-Queets Sect., Grays Harbor Co. J. Allen, state highway engr. Noted July 19.

Wash., Everett—Plans paving and grading Virginia St. et. al. $60,486. F. Fegtmeier, Everett, engr.

Calif., Bakersfield — Kern Co. having plans prepared resurfacing with 3 to 5 in asphaltic concrete 38 mi. various highways, also constructing 3 mi. highway, 6 in. asphaltic concrete, 2 courses. $1,000,000. W. S. Farley, Monadnock Bldg., San Francisco, consult, engr.

Calif., El Cerrito—Had plans prepared improving Potrero Ave., 14,234 sq.ft. concrete walks, 2,982 lin.ft. concrete curb, 7,470 sq.ft. concrete gutter, 30,551 sq.ft. 8 in. oil macadam, etc. R. L. Calfee, 221 South 22nd St., Richmond, engr.

Calif., Fresno—Fresno Co. plans paving 6 mi. road, North Fresno Dist. $500,000. C. P. Jensen, co. surv.

Calif., Los Angeles—Los Angeles Co. had plans prepared improving highway between Palmdale and Pallett Creek, incl. 10.7 mi. 6 in. asphaltic concrete pavement, 16 ft., 8.1 mi. disintegrated granite pavement, 16 ft., and 2.3 mi. graded roadway, 24 ft., to exceed $425,000; improving 1.7 mi. Washington St. from east boundary of Culver City to Los Angeles west city limits, 24,905 sq.ft. excav., 42,069 sq.yd. sub-base, 67,062 sq.yd. asphaltic concrete on concrete, 10,879 sq.ft. walks, etc., to exceed $250,000.

Calif., Los Angeles—Supervs. Los Angeles Co. authorized paving 13 streets and roads, $700,000. Work will begin about Oct.

Calif., Marysville — City appropriated $25,000 paving street intersections and streets fronting city property. J. O. Wanzer, city mgr.

Calif., Marysville—Supervs. Yuba Co. voted to construct 5½ mi. gravel road to Bear River, and 7 mi. permanent highway through Arboga Dist. to Plumas Lake Sect. J. R. Meek, co. surv.

Calif., Monterey—Plans grading, curbing, guttering and gravel surfacing streets in New Monterey Sect. To exceed $25,000. H. D. Severance, city engr.

Calif., Oakland—Alameda Co. plans paving East 14th St. $100,000. G. A. Posey, co. surv.

Calif., San Francisco—Had plans prepared improving Rhode Island St. 40,000 sq.ft. concrete, 14,052 sq.ft. asphaltic concrete, etc., $17,350; concrete parapet roadway in Sutro Heights Park, $10,000. M. M. O'Shaughnessy, city engr.

Calif., Santa Barbara — Santa Barbara Co voted $300,000 bonds paving with 6 in. oil macadam 25 mi. in Santa Ynez Valley, 18 ft. O. H. O'Neill, co. surv. Noted July 12.

Calif., Sausalito—Having plans prepared curbing, guttering and paving with concrete and bituminous macadam Pine, Johnson and Filbert Sts., etc. To exceed $25,000. Howe & Peters, 24 California St., San Francisco, engrs.

Calif., Woodland—Yolo Co. had plans prepared paving Prefix 3, Sect. C, 16,680 sq.ft. 5 in. asphaltic concrete, 2 course, or 6 in. concrete pavement, increasing to 7½ in. on outside 2 ft.; Prefix 5, Sect. A, 6,300 cu.yd. excav., 127,664 sq.ft 6 in. Class A concrete increasing to 7½ in. on outside 2 ft., or 5 in. Class A asphaltic concrete, 2 course, or 5 in. Class B asphaltic concrete, 1 course, or 5 in. Class C asphaltic concrete, 2 course; 9,400 ft. Prefix 7, 3,230 tons 2 to 3 in. minimum asphaltic concrete or minimum willite; Prefix 8, Sect. B, 128,000 sq. ft. 6 in. Class A concrete increasing to 7½ in. on outside 2 ft., or 5 in. Class A asphaltic concrete, 2 course, or 5 in. Class B, asphaltic concrete, 1 course or 5 in. asphaltic concrete, 2 course, having plans prepared county highway through town of Davis, to exceed $25,000. A. G. Proctor, co. surv.

Que., Montreal—Voted $950,450 bonds for road work. E. Gauthier, asst. city clk.

Que., Sherbrooke—Voted $300,000 bonds for road work. A. Thomas, city engr.

BIDS DESIRED

New York — Aug. 31, by F. S. Greene, comr. highways, Albany, constructing, reconstructing and completing highways in Albany, Cattaraugus, Dutchess, Fulton, Genesee, Jefferson, Oneida, Orange, Orange-Ulster, Steuben, Sullivan, Seneca, Otsego and St. Lawrence Counties. W. A. Patton, secy.; adv. E. N.-R. Aug. 23.

N. Y., Brooklyn—Aug. 29, by E. Riegelmann, boro pres., Boro Hall, resurfacing with bituminous macadam Delamere Pl. and Gravesend Neck Rd.; grading, curbing and asphalt paving Sheepshead Bay Rd.; resurfacing Ave. N and 67th St.; repaving Bergen Pl., 42nd, Furman, Prospect and 79th Sts., Division, Flushing and Prospect Aves.

N. Y., Buffalo—Aug. 27, by A. W. Kreinheder, comr. Pub. Wks., paving and repaving various streets, vitr. brick or asphalt on 6 in. concrete. To exceed $25,000. C. E. P. Babcock, city engr.

N. Y., Buffalo—Sept. 4, by Supervs. Erie Co., constructing Long Rd. in Grand Island, and Darien St. in Colden and Holland, concrete and waterbound macadam. To exceed $30,000. G. C. Diehl, 577 Ellicott Square Bldg., engr.

N. Y., Lockport—Sept. 1, by Supt. Highways, Niagara Co., improving 1.113 mi. River Rd. north of North Tonawanda, 20 ft., rein.-con., $61,217. T. J. Brennan, co. engr.

N. Y., Long Island City—Aug. 29, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., paving with sheet asphalt or granite block on concrete, Fresh Pond Rd. from Metropolitan Ave. to Woodbine St., and from Mt. Olivet Ave. to Metropolitan Ave.

N. Y., Long Island City—Aug. 30, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repaving Astoria Ave., sheet asphalt on concrete; paving with sheet asphalt on concrete Ditmars Ave.; grading, curbing, laying sidewalks, etc., Graham and Woodside Aves.; grading, curbing, laying sidewalks and paving Weirfield Ave.; grading roadway and paving with sheet asphalt on concrete, from Evergreen Branch Long Island R.R. to Wycoff Ave.; regrading easterly sidewalk space and laying sidewalks 16th Ave.; grading Queens Blvd.

N. J., Long Branch—Aug. 28, by Ed. City Comrs. paving Branchport, 4th, Union, 2nd, Rockwell and Central Aves., asphalt on concrete. J. W. Seaman, city engr.; adv. E. N.-R. Aug. 23.

Streets and Roads (Continued)

N. J., Newark—Aug. 28, by G. C. Bergen, purch. agt. Essex Co. paving 21,055 ft. Mt. Pleasant Ave., 2½ ft. penetration macadam shoulder on both sides of existing pavement, $25,000; grading and paving 10,000 ft. Campbell Ave. in Caldwell, 2 in. asphaltic concrete on 6 in. concrete, $26,000; concrete sewers in 5,000 ft. Harrison Ave., $15,000. W. A. Stickel, Court House, engr. Noted Aug. 9.

N. J., Princeton—Aug. 27, by Princeton Twp. Com., Branch Bldg., improving 15,982 sq.yd. Mt. Lucas Rd., Princeton Twp., near here, bituminous treated surface on old macadam. Sincerbeaux & Moore, Mechanic Bldg., Trenton, engr.

Pa., North Braddock—Taking bids paving Jones Ave., 6,500 sq.yd. vitr. brick, 3,000 lin.ft. concrete curb and 8,000 cu.yd. excav. $37,000. G. Siefer, Municipal Bldg., engr.

Pa., Pittsburgh — Taking bids repaving East Carson St., 4,700 sq.yd. clipped block and 8,665 sq.yd. sheet asphalt. $76,000. F. W. Lyon, City County Bldg., engr.

Md., Baltimore—Aug. 29, by Bd. Awards, paving with sheet asphalt on concrete and cement concrete streets listed in Contr. 242-NA, 14,000 sq.yd. asphalt, $50,000; streets listed in Contr. 243-NA, 22,000 sq.yd. asphalt, $60,000. R. K. Compton, chn. Paving Comn.

Md., Cumberland—Aug. 27, by Mayor and City Council, improving Gephart Dr. and Fayette St., 4,480 ft. concrete curb, 6,290 sq.yd. brick or concrete paving. R. L. Rizer, city engr.

S. C., Aiken—Aug. 30, by Comrs. Aiken Co., constructing 8.23 mi. State Route 39, Federal Aid Project 182 B, 35,923 cu.yd. common excav., 20,273 cu.yd. sand clay surfacing, etc.

S. C., Dillon—Aug. 31, by Comrs. Dillon Co., improving 6.92 mi. road between here and North Carolina line, State Route 23, Federal Aid Project 209, 54,000 cu.yd. excav., 16,800 cu.yd. sand-clay, creosoted timber bridge on above road twenty-two 14 ft. spans, etc. J. M. Martin, Florence, engr.

Alabama—Sept. 11, by State Hy. Comn., Montgomery, surfacing 12,265 mi. road between Ephram Branch and Pineapple, 24 ft. roadway, 18 ft. surfacing, Federal Aid Project 94, Wilcox Co., alternate types on surfacing (1) spreading 6 in. local crushed rock, which will be rolled and bonded and then spread with 6 in. gravel, (2) local and shipped gravel spread to loose depth of 9 in. W. S. Keller, state highway engr.

Ala., Tuscaloosa—Sept. 1, by Tuscaloosa Co., grading and concrete paving 1 mi. extension of Northport Rd., 20 ft. $35,000.

Miss., Gulfport—Sept. 6, by Bd. Supervs. Harrison Co., surfacing with asphalt and pea gravel 3 mi. North-and-South, Beach and Pass Christian Rds., 18 ft. $30,000. E. McManus, clk.

Kentucky—Sept. 26, by State Hy. Dept., Frankfort, surfacing with bank gravel or water bound madamam 11 mi. Louisville-Paducah Highway, 16 ft. State Project 8, Sect. D, Hancock Co., 14.42 mi. Owenton-Carrolton Rd., 18 ft. State Project 59, Sect. A, Owen Co., 6.48 mi. Mt. Sterling-Owingsville Rd., 18 ft., State Project 47, Sect. A, Bath Co.; grading 5.067 mi. Whitesburg-Hazard Rd., 24 and 28 ft., State Project 4, Sect. A, Letcher Co. J. S. Boggs, state highway engr.

Kentucky—Sept. 26, by State Hy. Dept., Frankfort, grading 13 mi. Pineville-Harlan Rd., State Project 6, Sect. A, 24 and 28 ft., Bell Co.; 14 mi. Lookout Mountain Air Line Rd. State Project 22, Sect. D, 24 and 28 ft., McCreary Co. J. S. Boggs, state highway engr.

O., Cleveland—Aug. 29, by Cuyahoga Co., grading West 54th St. and Wallings Rd. $50,021. F. R. Lander, co. engr.

O., Columbus—Aug. 28, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving 684 ft. Lynn St., 21 ft., 748 ft. Washington Ave., 20 ft., 948 ft. Milton and Neff Aves., 24 ft., brick or asphalt; 633 ft. alley west of Hamlet St., 20 ft., 636 ft. alley west of 4th St., 15 and 16 ft., 2,323 ft. alley north of 18th Aves., and alley west of Summit St. 15 ft. brick or concrete.

O., Columbus—Aug. 29, by Franklin Co. grading, bridging and paving 1.93 mi. Rose Hill Rd., 16 ft., Truro and Jefferson Twps., waterbound macadam. $40,835. C. C. Lattimer, co. surv.

O., Warren—Aug. 27, by Comrs. Trumbull Co., improving 4.4 mi. Youngstown Ave. Rd., brick or concrete, $216,000; 2.6 mi. Greene Rd., 20 ft., concrete $110,000; improving 1.25 mi. Cortland Rd., 20 ft., $46,000.

Ind., Ft. Wayne—Aug. 27, by Allen Co. at office of J. H. Johnson, co. aud., grading and stone paving 2.51 mi. Moore Rd., Jackson Twp., $37,239. Noted Aug. 9.

Michigan—Aug. 30, by State Hy. Dept., Lansing, grading and surfacing 3.53 mi. State Trunk Line Rd. 57-1, Sect. C, Charlevoix Co., 33,132 sq.yd. gravel, also 4.448 mi. State Trunk Line Rd. 15-12, Sect. B, Menominee Co., 35,398 cu.yd. excav., 42,086 sq.yd. gravel, F. F. Rogers, state comr.

Michigan—Aug. 31, by State Hy. Dept., Lansing, grading 4.152 mi. Federal Aid Project 82, Sect. A, Wayne Co., 29,514 cu.yd. excav., F. F. Rogers, state comr.

Michigan—Sept. 3, by State Hy. Dept., Lansing, grading and surfacing 4.988 mi. State Trunk Line Rd. 18-24, Gladwin Co., 47,127 cu.yd. excav., 46,883 sq.yd gravel. F. F. Rogers, state comr.

Michigan—Sept. 5, by State Hy. Dept., Lansing, grading and surfacing 5.14 mi. State Trunk Line Rd. 95-1, Presque Isle Co., 25,401 cu.yd. excav., 48,249 sq.yd. gravel. F. F. Rogers, state comr.

Michigan—Sept. 7, by State Hy. Dept., Lansing, grading and surfacing 2.993 mi. State Trunk Line Rd. 33-4, Sect. A, Oscoda Co., 20,739 cu.yd. excav., 27,929 sq.yd. gravel; 4.146 mi. State Trunk Line Rd. 33/3, Sect. B, Oscoda Co., 23,943 cu.yd. excav., 38,851 sq.yd. gravel. F. F. Rogers, state comr. Noted Aug. 23.

Illinois—Aug. 29, Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 3.11 mi. either concrete, 4 in. monolithic, 4 in. bituminous filled brick, bituminous concrete with and without binder course. Cement will be furnished. Grading 44.27 mi. involving 1,133,916 cu.yd. excav. and 4,389 cu.yd. concrete. C. H. Older, ch. highway, engr.

Ia., Des Moines—Aug. 27, paving 9,075 sq.yd. more or less Chamberlain Ave., 1481 sq.yd. more or less North and South Alleys, (alternate bids on various types); gravel surfacing 2 blocks Elizabeth Ave., and repaving 3,366 sq.yd. more or less Southwest 9th St. A. E. McGlothen, clk.

Minnesota—Sept. 5, by State Hy. Dept., St. Paul, 7.3 mi. State Project 3-44, Federal Aid Project 328, between St. Cloud and St. Joseph, 102,000 cu.yd. excav., 77,600 sq.yd. concrete paving, one 130 ft. high truss span Bridge 4145, $210,000; 11.2 mi. State Project 3-39, Federal Aid Project 327, between Kellogg and Minneiska, 296,000 cu.yd. excav., one 75 ft. truss span Bridge 4091, one 50 ft. truss span Bridge 4094, 3 concrete spillways, etc., $85,000; 20.3 mi. State Project 10-46, Federal Aid Project 313, between Benson and Kerkhoven, 259,000 cu.yd. excav., one 40 ft. deck girder Bridge 4048, $38,000; 5 mi. State Project 44-22, Federal Aid Project 329, Sect. 1, between Prosper and Mabel, 80,000 cu.yd. excav., 4 beam span bridge, etc., $27,000; 8 mi. State Project 44-22, Federal Aid 330, Sect. 2, between Mabel and Spring Cove, 125,000 cu.yd. excav., 50 ft. truss span Bridge 4147, $33,000; 10 mi. State Project 44-22, Federal Aid Project 331, Sect. 3, between Spring Grove and Caledonia, 130,000 cu.yd. excav., etc., $30,000. State Hy. Dept., 1246 University Ave., St. Paul, engrs.

Minn., Faribault—Sept. 12, by F. M. Kaisersatt, aud. Rice Co., grading, etc. Job 2310, State Rd. 33, along Rice-Scott Co. line, 150,860 cu.yd. earth excav., 2,400 cu.yd. loose and 652 cu.yd. solid rock excav., 139,737 cu.yd. overhaul, etc. J. E. McElherne, Faribault, engr.

Minn., St. Paul—Sept. 10, by Ramsey Co., paving Centerville Rd., 40,700 sq.yd. one course concrete or asphaltic concrete, 40,700 sq.yd. excav., 194,000 cu.yd. overhaul, 1,355 lin.ft. corrugated metal culverts, 3,715 lin.ft. integral curb. $100,000. P. N. Coates, 900 Guardian Life Bldg., co. surv.

Kan., Topeka—Shawnee Co. taking bids grading and paving Federal Aid Project No. 106, 13,495 cu.yd. excav. and 6,500 sq.yd. concrete.

South Dakota—Aug. 28, by State Hy. Comn., Pierre, improving roads (F.A.P.73, Campbell means Federal Aid Project 73, Campbell Co.), graveling 9.34 mi. F.A.P. 73, Campbell, 14,010 cu.yd. gravel, 12.35 mi. F.A.P.61 C, Aurora, 18,525 cu.yd. gravel, 17.52 mi. F.A.P.28, Chas. Mix, 26,280 cu.yd. gravel, 18.01 mi. F.A.P.78, Tripp, 27,015 cu.yd. gravel, also one 40 ft. viaduct on F.A.P.142, Brown. F. D. Hudgins, state engr.

South Dakota—Aug. 28, by State Dept., Pierre, grading 11.05 mi. Federal-Aid Project 143, Marshall Co., 89,320 cu.yd. excav.; graveling 8 mi. State Aid Project 49, Pennington Co., 12,000 cu.yd. gravel, 2 concrete viaducts one on Federal Aid Project 143 and one on Federal Aid Project 100. F. D. Hudgins, state engr.

S. D., Madison—Sept. 10, paving 7,500 sq.yd. on various streets, creosoted wood block, concrete, sheet asphalt, asphaltic concrete, and bitulithic. $26,000 to $36,000. W. Rae, city aud.

N. D., Minot—Aug. 25, by Ward Co., graveling 12 mi. road north and south of Foxholm. $25,000. R. W. Kannard, co. aud.

Wyo., Sheridan—Aug. 27, paving in Dist. 23, 2 in. Warrenite bitulithic on concrete or bituminous cement, portland cement concrete, sheet asphalt or asphaltic concrete. A. L. Helf, clk.

Mo., St. Louis — Sept. 11, by Bd. Pub. Serv., 208 City Hall, grading, granite curbing and bitulithic paving 30,480 sq.yd. Thomas, Dayton, California and Dickson Sts., $164,859; resurfacing with granite block and granite curbing 4,410 sq.yd. Madison St., $38,500; reconstructing with refined asphalt and granite curbing 3,900 ft. Hamilton St., 30 ft., $27,500. W. W. Torner, 300 City Hall, engr.

Tex., Austin—Sept. 11, by G. S. Matthews, judge Travis Co., grading, etc. 7.92 mi. State Highway 20 A, 24 ft., 512 cu.yd. 1:2:4 concrete, 49,775 lb. reinforcing, 36,383 cu.yd. roadway, 44,028 cu.yd. borrow, 3,079 cu.yd. loose and 4,023 cu.yd. solid rock excav. $38,470. O. Leonard, co. engr.

Tex., Breckenridge — Comrs. Court Stephens Co. taking bids surfacing 157,000 sq.yd. Caddo Rd., 2 in. asphaltic concrete, $130,000. Nagle Witt & Rollins, Court House, Dallas, engrs.

Tex., Dallas—Sept. 6, by Dallas Co., paving 12.7 mi. Richardson Rd., 18-20 ft., concrete, bitulithic Uvalde rock asphalt, asphaltic concrete on concrete and Macadam, 3 in. brick on concrete. $500,000. Nagle, Witt & Rollins, Court House, engrs.

Tex., Dallas—Sept. 10, by Comrs. Dallas Co. paving ½ mi. Belt Line, three test sections of special types of concrete cost to exceed $25,000. Nagle Witt & Rollins, Court House, co engrs.

Tex., Decatur—Sept. 11, by S. M. Ward, judge Wise Co., grading and gravel surfacing 10.3 mi. road from Chico to Montague Co. line, 16 ft., 98,700 cu.yd. earth, 1,675 cu.yd. solid rock and 2,040 cu.yd. loose rock excav., 54,200 lb. reinforcing and 32,600 lbs. structural steel, etc. $80,000. H. R. Smith, co. engr.

Tex., Ft. Worth—Aug. 28, by City Comn., curbing, guttering and paving 5,000 sq.yd. Belmont St., 3,600 sq.yd. West 10th St., 600 sq.yd. Terrell St. and 3,100 sq.yd. Greene St., amesite, rock asphalt, bitulithic or vertical fibre brick. $50,000. D. L. Lewis, city engr.

Tex., Sonora—Sept. 11, by A. Johnson, judge Sutton Co., grading 21.29 mi. State Highway 4, Federal Aid Project 379, 16 and 24 ft., and gravel surfacing 1.4 mi., 3,224 cu.yd. gravel, 84,315 cu.yd. roadway, 74,061 cu.yd. borrow, 1,849 cu.yd. loose and 10,707 cu.yd. rock excav., 1,564 cu.yd. 1:2:4, 357 cu.yd. 1:2½:5 and 682 cu.yd. 1:2:3½ concrete, $144,750. H. P. Stockton, Jr., Sonora, engr.

Calif., Fresno — City Council receiving bids improving McKinley Ave., 182,530 sq.ft. grading, 144,798 sq.ft. asphalt, 12,958 ft. gutter, 6,898 ft. concrete curb, 25,142 sq.ft. walks, etc. W. Stranahan, city engr.

Calif., Martinez—Sept. 2, by Supervs. Contra Costa Co., improving Marsh Creek Rd., 3,800 cu.yd. embankment, 2,090 cu.yd. concrete. To exceed $25,000. R. R. Arnold, co. surv.

Calif., Marysville—Sept. 5, by Supervs. Yuba Co., grading and gravel surfacing 5 mi. road extending from state highway on Jaynes Ranch to new road of Yuba Development Co. J. R. Meek, co. surv.

Calif., Oakland—City receiving bids improving Madison St., 75,066 sq.ft. grading, 72,455 sq.ft. asphaltic concrete, etc. W. W. Harmon, city engr. Noted Aug. 16.

Calif., San Diego—Sept. 4, by A. H. Wright, city clk., improving Elm St. between Columbia St. and Balboa Park, 81,257 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, etc.; Ash St. between 5th and Atlantic Sts., 145,042 sq.ft. 2 in. asphaltic concrete on 3 in. bituminous, 5,799 sq.ft. concrete sidewalk, etc. F. A. Rhodes, city engr. Noted June 28 and July 26.

Calif., San Diego—Sept. 11, by A. H. Wright, city clk., improving Beech St. between 5th and Atlantic Sts., 141,234 sq.ft. 2 in. asphaltic concrete on 3 in. bituminous, 6,799 sq.ft. concrete sidewalk, etc. F. A. Rhodes, city engr.

Calif., Stockton—Sept. 4, by Supervs. San Joaquin Co., grading and surfacing Lower Sacramento Rd., 1,000 cu.yd. grading, 2,700 tons asphaltic concrete, 300 tons gravel, etc. F. E. Quail, co. surv.

Streets and Roads (Continued)

Calif., Ventura—See "Bridges."

Ont., Kincardine—Taking bids concrete pavements. $33,000. A. Magwood, mayor.

Ont., Port Dover—Aug. 27, by J. Sloan, town clk., 14,000 yd. tarvia macadam pavement, 2,000 lin.ft. curbs and gutter. $30,000. G. R. Marsten, Simcoe, engr.

BIDS RECEIVED

Rhode Island—State Bd. Pub. Wks., Providence, July 25, surfacing 1 mi. Tiverton-Stafford Rd., 18 ft., waterbound macadam, Contr. 2306, from D'Aloia & McCarthy, Woonsocket, $16,884; 1 mi. Little Compton-Adamsville Rd., 18 ft., gravel, Contr. 2307, from G. E. Snell, Tiverton, $15,275. Noted July 26.

New York—F. S. Greene, comr. of highways, Albany, Aug. 10, constructing and reconstructing **3.42 mi. Repair Contr. 3057, Columbia and Rensselaer Counties**, from C. B. Lindholm, 53 North St., Pittsfield, Mass., $125,272, engrs. est. $128,809; **1.94 mi. Repair Contr. 3058, Greene Co.**, from L. Mayersohn, 89 South Mann Blvd., Albany, $72,323, $74,261; **2.14 mi. Highway 1675, Orange Co.**, from H. Hull, Highland Mills, $95,880, $96,185; **0.33 mi. Repair Contr. 1382, Westchester Co.**, from Petrillo Bros., Inc., 434 North High St., Mt. Vernon, $20,581, $22,658; **2.64 mi. Repair Contr. 3059, Rensselaer Co.**, and **2.94 mi. Highway 1663, Chautauque Co.**, from E. J. Bailey, Brocton, $130,876 and $129,427 respectively, engrs. ests. $138,219 and $138,157 respectively; **3.97 mi. Highway 8154, Steuben Co.**, from J. F. Gill Co., North Water Gap, Pa., $153,436, $176,622; **7.7 mi. Highway 8155, Tioga and Tompkins Counties**, also **6.78 mi. Highway 1676, Tompkins Co.**, from Cleveland & Sons Co., Adams St., Brockport, $296,454 and $238,669 respectively, $329,147 and $253,563 respectively; **4.29 mi. Repair Contr. 3056, Tompkins Co.**, from C. D. Murray, 701 Westcott St., Syracuse, $150,893, $165,966; **4.7 mi. Repair Contr. 1373, Genesee Co.**, from H. W. Patterson, Hornell, $158,374, $179,969; 2.34 mi. Highway 1658, St. Lawrence Co., from J. M. McCarthy, Potsdam, $81,353, $83,147. Noted July 26.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Aug. 15, paving (1) Chester St. (2) Douglas St. (3) East 15th St., repaving (4) Hancock St. (5) Mesereole Ave., all above asphalt, curbing and asphalt paving (6) Westminster Rd., grading, curbing and flagging, (7) Kingshighway, (8) Lenox Rd., from Uvalde Asphalt Paving Co., 1 Bway., New York, (1) $6,939 (2) $12,241 (3) $3,981 (4) $22,101 (5) $6,804 (6) $6,858; Castle Bros., Inc., Johnson Pl., (7) $95,311; W. J. McHale Contg. Co., 1250 Jefferson St., (8) $1,068. Noted Aug. 9.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Aug. 14, grading, curbing, and laying sidewalks on (1) Park Lane (2) Van Alst Ave. (3) Graham Ave. (4) 45th St. (5) 87th St. (6) 89th St. (7) 127th St. (8) Beach 92nd St., grading and asphalt paving (9) 29th Ave., asphalt paving (10) Jackson Ave. (11) 89th St. (12) 127th St., sheet asphalt repaving (13) Metropolitan Ave. (14) Sheridan Blvd., from H. E. Kordes Co., 2577 Cooper St., Brooklyn, (1a) $18,920; Welsh Bros. Contg Co., 32 Queens St., Astoria, (1b) $19,988; Leonard Paving Co., 233 Bway., New York City, (2) $38,385; Uvalde Asphalt Paving Co., 1 Bway., New York, (3) $26,149 (8) $27,445; R. A. Fiess, Inc., 14 Queens St., Astoria, (4) $12,524; Kennedy & Smith, Inc., 93 Amity St., Flushing, (5) $28,521 (6) $13,277; J. J. O'Brien, Jr., William St., Jamaica, (7) $5,271; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (9) $21,682; Cleveland Trinidad Paving Co., Flushing, (10) $21,418; Cranford Co., 52 9th St., Brooklyn, (11) $24,670 (12) $8,328; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (13) $46,910; Sicilian Asphalt Paving Co., 41 Park Row, New York, (14) $29,950. Noted Aug. 9.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing and laying sidewalks on (1) West 171st St. (2) Mulliner Ave. (3) Montgomery Pl. (4) Wythe Pl., repaving (5) Park Ave. W., (6) Fordham Rd. (7) Gun Hill Rd., granite block, paving (8) Mosholu Parkway (9) River Ave., both sheet asphalt, from M. Del Balso, 660 East 221st St., (1) $5,990; I. F. Cavaluzo, 1538 Walton Ave., (2) $20,027 (4) $7,331; Burnside Contg. Co., 270 Burnside Ave., (3) $3,720; Astoria Contg. Co., 169 Hunter Ave., Long Island City, (5) $86,869 (7) $40,031; P. J. Kearns Contg. Co., 2306 Creston Ave., (6) $36,861; Brusstar Constr. Co., Harlem River and 150th St., (8) $8,702. Noted Aug. 9.

N. J., Bloomfield—J. C. Johnson, town clk., sanitary sewers in Myrtle Ave. and Parkway W., to Paterson Contg. Co., Paterson, $12,225 and $815 respectively; sanitary sewer in Mill St., bluestone curbing and paving 1,700 sq.yd. Fulton St., also paving 700 sq.yd. Fontaine Ave., asphalt penetration telford, to A. Lamparillo, 67 Glen Ridge Ave., Montclair, $4,795, $5,859 and $1,421 respectively; paving 600 sq.yd. Vesper Pl., 860 sq.yd. Orchard Pl., and 900 sq.yd. Farrandale Ave., all asphalt penetration telford, to J. R. Frisco, Montclair, $1,218, $1,624 and $2,043 respectively. Noted Aug. 2

N. J., Irvington (branch of Newark) Bd. Town Comrs. Aug. 3, curbing, laying sewer connections and paving 4,600 sq.yd. Madison Ave., also recurbing, laying sewer connections and paving Smalley Terrace, rein.-con., from J. Dover, 644 Nye Ave., $18,734 and $8,664 respectively; grading and paving Mill Rd., rein.-con., also widening, etc., west side of Washington Ave., from A. J. Milmoe, 83 Littleton Ave., Newark, $28,365 and $9,055 respectively; 2,340 lin.ft. 8 in sanitary sewer in Woolsey, Berkshire and Campfield Sts., from M. De Cicco, Hilton, $4,156. Noted Aug. 2.

Maryland—State Rds Comn., Baltimore, concrete paving roads in Howard Co., 9,000 sq.yd. Contr. Ho-40, and 9,400 sq.yd. Contr. Ho-41, from M. J. Grove Lime Co., Lime Kiln, $31,308 and $35,149 respectively; 9,100 sq.yd. Contr. Ho-42, from Continental Contg. Co., Knickerbocker Bldg., Baltimore, $39,448. Noted Aug 2.

Md., Baltimore—Bd. Awards, Aug. 15, paving with sheet asphalt Orleans and Lexington Sts., from Amer. Paving Co., Montebello, $53,859. Noted Aug. 9.

Md., Hagerstown—Repaving South Potomac St., 3 in sheet asphalt on 6 in. concrete, from Bester & Long, Hagerstown, $61,628.

O., Akron—W. F. Peters, dir. Pub. Serv., Aug. 13, grading, laying sidewalks and paving (1) 8,250 sq.yd. Auldfarm Allotment (2) 1,075 ft. Rentschuler Court and Power St., 22 ft. (3) 2,700 ft. Johnston St., 30 ft., with (a) asphalt (b) brick (c) willite, from T. E. McShaffrey Constr. Co., 171 South Forge St., (1a) $53,296, engrs. est. $62,523 (2a) $26,629, $26,606; McAlonan Bros., 197 West Buchtel Ave., (2b) $32,912, $27,411; Columbus Asphalt Paving Co., 304 Buckeye Bldg., (3a) $64,374, $75,270 (3c) $63,396, $75,370. Noted July 26.

O., Cincinnati—Hamilton Co. grading and paving 7,900 sq.yd. Benson St., concrete, from Byrnes Conway Co., 32 Bodman Bldg., $26,465. Engrs. est. $29,070. Noted Aug. 2.

O., Cincinnati—Hamilton Co., Aug. 3, grading, bridging and paving 5.18 mi. Sheed Rd., 16 ft., from W. S. Nugent, Mt. Hope Rd., Harrison. $101,641. Noted July 26.

Michigan — State Hy. Dept., Lansing, grading 4.83 mi. Federal Aid Project 119, Ottawa Co., 50,863 sq.yd. concrete, from H. A. Hoxie, 1426 4th St., Grand Rapids, $87,018.

Mich., Springwells—Concrete curbing and paving 9,040 sq.yd. Eagle Ave. and 7,465 sq.yd. Culver Ave., from C. L. Lincoln, Springwells, $32,449 and $27,369 respectively.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving **8.04 mi. 3 White which means (3.04 mi. State Aid Route 1, Sect. 5, White Co.)** and **6.04 mi. Edwards-White** from Madison Constr. Co., Edwardsville, $131,606 and $102,551 respectively, **3.49 mi. 12-6 Richland** from Wabash Constr. Co., Vincennes, Ind., $68,591 less 1 per cent, **4.5 mi. 1-7 Edwards and 4.71 mi. 1-14 Lawrence** from French Constr. Co., Fairfield, $87,039 and $100,244 respectively, **1.61 mi. 3-4C Knox** from L. S. Kuhn, Bloomington, **$34,635, 5.67 mi. 9-44 Fulton and Peoria and 5.61 mi. 9.45 Peoria,** from Cameron, Joyce & Co., Keokuk, Ia., $145,972 and $133,104 respectively, **7.29 mi. 9-17 Ford** from Bishop & Curdie Constr. Co., Danville, $139,892 less 1 per cent, **2.94 mi. 9-43 Fulton** from List & Gifford Constr. Co., Ry. Exch. Bldg., Kansas City, Mo., **$71,850, 5.76 mi. 12-21 Clinton** from W. C. Johnson, 512 South High St., Belleville, **$123,622, 3.86 mi. 17-17 Livingston** from Booth & Gilchrist, Gardner **$79,169, 5.37 mi. 19.28 and 8.01 mi. 19-29 McHenry** from F. Daugherty, Milwaukee, Wis., **$91,416** and **$187,596** respectively, **4.7 mi. 23-21 McHenry** from States Impvt. Co., 10 South La Salle St. Chicago, $161,759; grading **1-22A Crawford**, 22,378 cu.yd. excav., 54 cu.yd. concrete, and **1-23A Crawford**, 32,791 cu.yd. excav., 118 cu.yd. concrete, from J. F. Keegan, Terre Haute, Ind., $12,342 and $16,989 respectively, **1-24A Clark**, 26,532 cu.yd. excav., 340 cu.yd. concrete, and **2-22A Fayette**, 101,802 cu.yd. excav., 462 cu.yd. concrete from T. J. Harrington, St. Louis, Mo., $15,114 and $58,[illegible] respectively, **2-19A Shelby-Christian** 38,427 cu.yd. excav., 340 cu.yd. concrete, **2-20A Fayette**, 24,580 cu.yd. excav., 121 cu.yd. concrete, and **2-21A Fayette**, 36,902 cu.yd. excav., 276 cu.yd. concrete, from E. M. McGuire, Indianapolis, Ind., $24,008, $13,458 and $23,693 respectively, **2-37A Ogle**, 118,747 cu.yd. excav., 412 cu.yd. concrete, from Anderson Bros., 219 15th Ave., Rockford, **$88,595, 5-26A Jo Daviess**, 26,215 cu.yd. excav., 31 cu.yd. concrete, from J. S. Burt, Madison, Wis., $26,481, **2-46A Shelby**, 8,425 cu.yd. excav. and **2-47A Macon**, 10,163 cu.yd. excav., from J. T. May, $3,686 and $4,715 respectively, **5-24A Jo Daviess**, 45,690 cu.yd. excav., 290 cu. yd. concrete, from Finley Bros., Janesville, Wis., $28,665, **5-25A Jo Daviess**, 87,026 cu.yd. excav., 296 cu.yd. concrete, from Lord & Talbot, Monmouth, $50,735, **12-10A Clay**, 5,837 cu.yd. excav., from M. Frazier, Louisville, $3,571, **12-11A Clay**, 24,913 cu.yd. excav., 96 cu.yd. concrete, from H. Ohlhoff, $12,884, **14-7A Franklin-Hamilton** 25,922 cu.yd. excav., 416 cu.yd. concrete, from Laird & Fleeman, Ewing, $42,417, **14-8A Hamilton**, 40,507 cu.yd. excav., 367 cu.yd. concrete, and **33-1A Crawford**, 39,638 cu.yd. excav., 40 cu.yd. concrete, from R. Meyers, Milwaukee, Wis., $27,480 and $19,107 respectively, **33-4A, Jasper**, 209,088 cu.yd. excav., 806 cu.yd. concrete from Dees Bros., Oblong, $102,100, **38-4A Calhoun**, 100,987 cu.yd. excav., 275 cu.yd. concrete, and **38-5A Calhoun**, 77,834 cu.yd. excav., 88 cu.yd. concrete, from Scott & White, Merchants Laclede Bldg., St. Louis, Mo., $42,916 and $29,349 respectively. Noted Aug. 2.

O., Cleveland—Bd. Educ., East 6th St. and Rockwell Ave., improving following schools (1) Benjamin Franklin (2) Patrick Henry (3) Lincoln High (4) John Adams, (a) grading (b) masonry (c) landscaping, from V. Q. Galier, Builders Exch., (1a) $12,236 (2a) $2,346 (3a) $4,659 (4a) $4,995; A. MacDougall Co., Irene Ave., (1b) $17,423 (3b) $1,525 (4b) $6,616; T. Lionte, 14500 Sylvia Ave., (1c) $12,240 (3c) $4,946; Independence Nurseries Co., Independence, (3c) $3,254 (4c) $7,108. Noted July 26.

O., Cleveland—Grading, curbing and paving Montclair Ave., from Fischer & Williams, Lorain Rd., $20,040, Thames Ave., from E. Gedney, 905 Parkway Ave., $48,225, Lenecrave Ave., also East 112th St. and Corbus Rd., from O. J. Leach, 774 Eddy Rd., $39,967 and $9,246 respectively, above streets involve 14,600 lin.ft. stone curb and 4 in. tile gutter, 11,185 cu.yd. earth excav., 22,575 sq.yd. vitr. brick on concrete; 9,815 sq.yd. Mt. Auburn Ave., vitr. brick, from Garland Bros., 5806 Franklin Ave., $61,362.

Michigan—State Hy Dept., Lansing, improving roads **(F.A.P. 67, E-1 and E-2 Washtenaw means Federal Aid Project 67, Sects. E-1 and E-2, Washtenaw Co.,** grading 10,605 mi. F.A.P. 67, E-1 and E-2, Washtenaw, 80,437 cu.yd. excav., from Pickitt, Armintrout & Goodman Bros., Pullman, $47,027; 13,981 mi. F.A.P. 95, D. Lenawee, 187,310 cu.yd. excav., from J. H. Lowe, Kalamazoo, $104,719; grading and surfacing 8.739 mi. F.A.P. 108 Marquette, 8,626 cu.yd. excav., 93,799 sq.yd. concrete, from Labb & Bell, Negaunee, $154,528; **(S.T.L. Rd. 46-20, Sanilac means State Trunk Line Rd. 46-20, Sanilac Co.)** grading and surfacing 6.983 mi. S.T.L. Rd. 46-20, Sanilac, 31,723 cu.yd. excav., 65,339 sq.yd. gravel, and 10.686 mi. S.T.L. Rd. 27-12 A and C, Sanilac, 47,915 cu.yd. excav., 101,111 sq.yd. gravel, from A. McDonald, Omer, $88,418 and $131,748 respectively; 1.466 mi. S.T.L. Rd. 11-9, B. Muskegon, 7,873 cu.yd. excav., 16,279 sq.yd. concrete from Whitlow & Nelson, 216 Rosen Blk., Muskeson, $34,525; 8.619 mi. S.T.L. Rd. 26-8, B. Gogebic, 6,000 cu.yd. excav., 80,860 sq.yd. gravel, from McDonald & Macabee, Ironwood, $58,265.

Wis., North Milwaukee—For 16,798 sq.yd. paving and 10,281 cu.yd. grading on 40th, 41st, 38th, 34th and 29th St. and 3 alleys, from Kroening Constr. Co., 39th Ave. and Mitchell St., Milwaukee, one course concrete $2.99, vibrolithic concrete $3.07, grading $1.15. Noted July 26.

Wash., Seattle—Paving 4th Ave. S. and Spokane St., 7,500 sq.yd. brick block, 400 sq.yd. 7 in. concrete replaced, 500 cu.yd. subgrade, from C. L. Creelman, 1079 25th St. N., $42,323.

Wash., Seattle—Bd. Pub. Wks., paving 21st Ave. N. E. et al., from J. L. Smith, Pioneer Bldg., 10,520 sq.yd. 6 in. concrete $1.70, 750 ft. asphaltic concrete curb $0.60, 6,200 ft. concrete curb $0.35, 2,700 cu.yd. subgrade $0.70, total $34,998. Engrs. est. $35,893.

California—State Hy. Comn., Sacramento, grading and gravel surfacing 4.5 mi. road between 5 mi. east of Gilroy and San Felipe, Santa Clara Co., from J. P. Holland,

Streets and Roads (Continued)

540 Brannan St., San Francisco, $83,104. Noted July 26.

California—State Hy. Dept., Sacramento, grading and gravel surfacing 11.5 mi. highway between Beltane and Schellville, Federal Aid Project 123, Sonoma Co., from W. D. Ellis Co., 766 Euclid St., Berkeley, 46,000 cu.yd. embankment (without classification) at $1.37 per cu.yd., 91,000 sta.yd. overhaul $0.02, 2,000 cu.yd. structure excav. (without classification) $2, 3,500 cu.yd. gravel in sub-base, $3.25, 29,200 cu.yd. gravel surface $3.48, 1,525 cu.yd. concrete $35, etc., total $238,888; from Pacific States Constr. Co., Call Bldg., San Francisco, paving with concrete shoulders and asphaltic concrete, 3.4 mi. Rd. between San Bruno and San Mateo, Federal Aid Project 125, San Mateo Co., 2,700 tons gravel or stone in sub-base $2.68, 8,100 cu.yd. concrete $14.91, 7,000 tons asphaltic mixture $9.40, etc., total $207,782. Noted July 26.

Calif., Fresno—Improving Carmen Ave. and Lucerne Lane, 86,150 sq.ft. grading, 78,187 ft. 1½ in. warrenite on 3½ in. asphaltic concrete, 2,935 ft. concrete curb, 7,989 ft. concrete gutter, 12,245 ft. walks, etc., from Thompson Bros., Divisadero and G Sts., $30,672. Noted July 12.

Calif., Fresno — Improving E St., from California Road & Street Improvement Co., Bank of Italy Bldg., 100,700 ft. grading at $0.055, 93,950 sq.ft. asphalt $0.218, 6,120 ft. concrete gutter $0.33, 3,370 ft. concrete curb $0.62, 18,645 ft. sidewalks $0.235 sq.ft. concrete $0.30, etc., total $36,500. Noted July 26.

Calif., Los Angeles—Improving Oakwood Ave., from Griffith Co., Railway Bldg., total for grading $3,900, 9,879 sq.ft. concrete pavement $0.22, 87,257 sq.ft. bituminous pavement $0.155, 1,729 sq.ft. oil and roll $0.10, 1,243 ft. curb $0.70, 4,979 sq.ft. walks $0.21, 4,561 sq.ft. gutter $0.28.

Calif., Oakland—From Hutchinson Co., Hutchinson Bldg., improving 22nd Ave., 89,960 ft. grading at $0.03 per ft., 2,874 ft. concrete curb $0.70, 5,757 ft. concrete gutter $0.25, 43,855 ft. oil macadam $0.105, 17,566 ft. cement walks $0.16, etc.; Main St., 1,813 cu.yd. excav. $0.65, 1,744 lin.ft. concrete curb $0.70, 3,660 sq.ft. concrete gutter $0.25, 23,638 sq.ft. oil macadam $0.105, 9,065 sq.ft. cement walks $0.15, etc.; Georgia St., 4,745 cu.yd. excav. $0.55, 2,107 lin.ft. concrete curb $0.70, 4,330 sq.ft. concrete gutter $0.25, 30,206 sq.ft. oil macadam $0.105, 13,046 sq.ft. cement walks $0.16, etc.

Calif., Santa Barbara — Santa Barbara Co., paving Santa Maria-Suey Crossing Rd., from A. B. Cook, Santa Barbara, willite pavement $36,400, willite and asphalt base $35,600, plain asphalt $33,100.

Calif., Yreka—Siskiyou Co. grading Forest Mountain House Rd., from Siskiyou Constr. Co., Yreka, 36,000 cu.yd. excav. at $1.125 per cu.yd., etc. Noted July 26.

CONTRACTS AWARDED

New York—Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, paving Bronx River Parkway Dr. between Tuckahoe Rd., Tuckahoe, and Harney Rd., Scarsdale, foundation to Spadaro Contg. Co., 827 East 217th St., New York City, $148,450; asphalt block surface pavement to Hastings Pavement Co., 25 Broad St., New York City, $121,875. Noted July 19.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, paving Dumont Ave., repaving Ocean Ave., and recurbing and paving Lincoln Ave., all asphalt, to Borough Asphalt Co., 1301 Metropolitan Ave., $2,875, $41,722 and $9,927 respectively; paving East New York Ave. and Ave. I, asphalt, to Cleveland Trinidad Paving Co., Flushing, $46,768 and $37,873; paving East 36th, East 37th and 53rd Sts., repaving Franklin Ave., curbing and paving East 26th St. and Ave. I, asphalt, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $8,773, $6,569, $7,536, $34,975 $4,506 and $17,493 respectively; paving Rutland Rd., paving and repaving Troutman St., and repaving Miller Ave., asphalt, to Uvalde Asphalt Paving Co., 1 Bway., New York, $7,734, $19,525 and $26,979 respectively; repaving Atlantic Ave., asphalt, to Sicilian Asphalt Paving Co., 41 Park Row, New York, $32,-835; resurfacing Clermont Ave., asphalt, to Cranford Contg. Co., 52 9th St., $60,628; grading, curbing and flagging East 36th and East 37th Sts., to Galecor Contg. Co., 507 Greenwich St., New York, $4,562 and $2,463 respectively; East 27th St., to F. Persicano, 350 Fulton St., $7,900. Noted Aug. 9.

N. J., Trenton — Hamilton Twp. Com., Groenwood School, concrete gutters and sidewalks, etc., on 72,000 ft. streets, to R. S. Mullen, 402 Samuel St., $17,561 and Grant & Driver, 51 Spring St., $7,275. Engrs. est. $25,840. Noted Aug. 2.

Pa., Monongahela—L. E. Flint, city controller, grading, paving and curbing Main St., 7,888 sq.yd. vitr. brick, 2,936 cu.yd. excav., etc., to McCrady Bros., Braddock, $44,565.

Pa., Waynesburg—Greene Co., rein.-con. pavement on 3,758 ft. Pursley Creek Rd., 16 ft., to M. J. O'Loughlin, Masontown, $43,670.

Maryland—State Rds. Comn., Baltimore, gravel surfacing .99 mi. highway in Anne Arundel Co., Contr. AA-33, to T. Mullan, 3945 Greenmouth Ave., Baltimore, $25,288. Noted Aug. 9.

W. Va., Charleston—Kanawha Co. resurfacing 2 mi. Ferry Branch Rd., Loudon Dist., Project 114, to G. T. Fogle Co., Virginia Land Bank Bldg., Charleston, $38,884; vitr. brick paving 1 mi. Dry Branch of Davis Creek Rd., Loudon Dist., Project 107, to Greybill & Bruce, Charleston, $36,634, 1.7 mi. Little Sand Creek Rd., Elk Dist., Project 115, to K. E. Reed Co., Charleston, $44,128.

W. Va., Clarksburg—Paving Fairmount and Clarksburg Pike and Jackson St., to P. S. Hornor Co., Clarksburg, $28,384.

W. Va., Fayetteville—Fayette Co. vitr. brick paving 3 mi. Lookout-Lansing Rd., Nuttall Dist., to J. E. Dougher & Sons, Charleston, $99,500.

North Carolina — State Hy. Comn., Raleigh, grading and reconstructing broken stone base course on 9.92 mi. State Project 295, Wilson Co., to Highway Eng. Constr. Co., Selbyville, Del., $98,892; grading, reconstructing broken stone base course and bituminous penetration surfacing 4.31 mi. State Project 541, Guilford Co., to Hagedorn Constr. Co., Lexington, $108,608. Noted July 26.

N. C., Charlotte—Mecklenburg Co. paving 7 mi. Dixie Rd., 10 ft., 2 in. asphalt on old macadam, to Noll Constr. Co., Charlotte, $50,000.

N. C., Troy—Hardsurfacing various streets to W. F. Bowe, Jr., Augusta, Ga., $175,000. Noted July 5.

Fla., South Jacksonville (Jacksonville, P. O.)—City will construct sidewalks on 30 streets, coquina gravel, by day labor. $25,000.

Miss., Grenada — Paving 35,300 sq.yd. with sheet asphalt on 5 in. concrete, curbing, guttering, etc., to Independent Paving Co., Amer. Trust Bldg., Birmingham, Ala., $117,000.

Miss., Gulfport—Harrison Co. surfacing, etc. 1.543 mi. beach road west of Biloxi, 18 ft., Federal Aid Project 155, to J. F. Morgan Paving Co., Woodward Bldg., Birmingham, Ala., 15,395 sq.yd. warrenite bitulithic $1.37 per sq.yd., 16,300 sq.yd. concrete base $1.60, total $52,297. Noted July 26.

Louisiana — State Hy. Comn., Baton Rouge, graveling 9 mi. Abbeville-Jennings Highway, Vermillion Parish, to Martin & Cody, Lake Charles, $87,173; also 9 mi. Burnside-Hope Villa Highway, Ascension Parish, to Banta & Mutersbaugh, Lake Charles, $59,168.

Tennessee—State Hy. Dept., Nashville, surfacing 7.99 mi. Federal Aid Project 94, Benton Co., to Little & Dean, Memphis, $154,570; 11.02 mi. Federal Aid Project 96, Bedford Co., bituminous macadam, to Boyd Williams, Murfreesboro, $22,258; 7.53 mi. State Project 115, Lewis Co., chert, to C. & G. Constr. Co., Hohenwald, $57,161; 10.78 mi. State Project 126, Sumner Co., rock asphalt, to Rhodes-Carr Co., Nashville, $162,074; 12.3 mi. State Project 127, Sumner Co., gravel, to S. W. Brown Sons Co., Westmoreland, $111,150. Noted July 26.

Tenn., Newport—Paving various streets, asphalt on concrete, to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, $130,-000. Engrs. est. $150,000.

Kentucky—State Hy. Comn., Frankfort, cleaning surface and applying bituminous material and spreading cover material to Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, 2.8 mi. road in Boyle Co. $1,914, 1.5 mi. Greenup Co. $1,223, 4.8 mi. Hardin and Jefferson Counties $3,268, 10.17 mi. Madison Co. $7,860; to R. B. Tyler Co., 114 South 4th St., Louisville, 8.32 mi. Fayette Co. $8,715, 6.67 mi. Hart Co. $4,054, 8.272 mi. Larue and Hart Counties $6 051, 6.9 mi. 17 F, Scott Co. $5,863; Eaton Oil Wks., Sterrett and Louisville & Nashville R.R. Co., Cincinnati, O., 9.6 mi. Harrison Co. $6,570, 4.3 mi. Nicholas Co. $1,893, 3.2 mi. 58½ A Scott Co. $1,972, 4.34 mi. Todd Co,. $3,195; Kentucky Road Oil Co., Frankfort, 16 mi. Owen Co. $7,354. Noted July 5.

Kentucky—State Hy. Dept., Frankfort, grading and waterbound macadam paving using corrugated metal pipe 4.284 mi. Albany-Monticello Rd., State Project 27, Sect. A, Clinton Co., to Huff & Smith, Albany, $51,465. Noted Aug. 2.

Ky., Whitesburg—Paving about 12,000 sq.yd. Webb Ave., Main and Railroad Sts., to Municipal Paving & Eng. Co., Hazard. Engrs. est. $25,000.

Ohio — Dept Highways and Pub. Wks., Columbus, concrete arch bridge, on Sect. "B-2" Mt. Vernon-Newark Rd., Knox Co., to Stout & Stout, Stoutsville, $27,220. Noted Aug. 9.

O., Mingo — Repaving Commercial St., vitr. brick, to Rosser & Maloney, Bellaire, $27,000.

O., St. Clairsville—Paving Woodrow Ave., vitr. brick, to Miller & Fletcher, St. Clairsville, $30,000.

Michigan—State Hy. Dept., Lansing, improving roads, (**S. T. L. Rd. 37-5, Barry means State Trunk Line Rd. 37-5, Barry Co.**) grading and surfacing **2.285 mi. S. T. L. Rd. 37-5, Barry**, 11,451 cu.yd. excav., 26,011 sq.yd. concrete, to W. Neale & Son, 117 Catherine St., Kalamazoo, $37,470; **1.467 mi. S. T. L. Rd. 65-2, Washtenaw**, to Ann Arbor Asphalt & Constr. Co., Ann Arbor, 6,731 cu.yd. excav., $0.70, 17,447 sq.yd. 7 in. concrete pavement, $1.50, total $42,119; **8.619 mi. S. T. L. Rd. 26-7, Sect. B, Gogebic**, to McDonald & McAbee, Ironwood, 6,000 cu.yd. excav., $0.60, 80,859 sq. yd. gravel, $0.56, total $58,265; **1.466 mi. S. T. L. Rd. 11-9, Sect. B, Muskegon**, 7,873 cu.yd. excav., 16,279 sq.yd. concrete, to Whittlow & Nelson, 216 Rosen Blk., Muskegon, $34,525; (**F. A. P. 125, Gratiot means Federal Aid Project 125, Gratiot Co.**) **5.38 mi. F. A. P. 125, Gratiot**, to Holmes, Crane & Bartling, Alma, 22,268 cu.yd. excav., $0.65, 3,700 sq.yd. 8 in. special concrete pavement, $1.85, 53,030 sq.yd. 8 in. rein.-con. pavement, $1.58, total $123,962; **6.531 mi. F. A. P. 49, Sect. A, Cass**, to Lenderink & Baker, 501 Natl. Bank Bldg., Kalamazoo, 68,061 sq.yd. 8 in. concrete pavement, $1.10, total $102,464; **2.007 mi. F. A. P. 45, Sect. B-1, Ingham**, to W. H. Ryan, 404 Van Buren St., Jackson, 10,274 cu.yd. excav., $0.70, 20,901 sq.yd. 8 in. concrete pavement, $1.67, total $47,887; **13.981 mi. F. A. P. 95, Sect. D, Lenawee**, to J. H. Lowe, Kalamazoo, 187,310 cu.yd. excav., $0.48, total $104,520; **8.739 mi. F. A. P. 108, Marquette**, to S. J. Groves & Son Co., Newberry, 7,626 cu.yd. excav., $0.60, 93,798 sq.yd. 8 in. rein.-con. pavement, $1.54, total $162,709.

Ill., Glence—For 3,100 sq.yd. one course rein.-con. paving, 2,460 cu.yd. excav., 325 lin.ft. 8 in., 450 lin.ft. 10 in. and 565 ft. 12 in. tile sewer pipe, 4,500 sq.yd. parkways leveled, etc., to H. H. Goelitz & Co., 810 North Blvd., Oak Park. Engrs. est. $25,000.

Wis., Edgerton—Paving various streets with plain concrete, also 4,000 sq.yd. vibrolithic concrete, to Hayes, Fountain & Hayes, 211 Hayes Blk., Janesville, Wis., $53,279. Noted July 5.

Ia., Waterloo—Blackhawk Co. grading Primary Rd. 40 from here to Janesville, to J. A. Dunkel, Webster City, roadwork $0.275 per cu.yd., channel excav. $0.375. Engrs. est. $60,000.

Minnesota—State Hy. Dept., St. Paul, highways (**S. P. 1-26, F.A.P. 321 means State Project 1-26, Federal Aid Project 321**), **17 mi. S. P. 1-26, F.A.P. 321**, between Owatonna and Ellendale, 166,000 cu.yd. excav., to Nelson, Fulton & Nelson, Plymouth Bldg., Minneapolis, $69,055, two bridges and culverts to W. T. Baxter, Webster City, Ia., $16,967; **8.6 mi. S. P. 1-42, F.A.P. 325**, between Carlton and St. Louis county line, 90,000 sq.yd. concrete paving to Johnson, Drake & Piper, 809 1st Natl.-Soo Line Bldg., Minneapolis, $244,-541 37,000 cu.yd. excav., to Siems, Helmers & Schaffner, 514 Guardian Life Bldg., St. Paul, $105,298, 1 bridge and all culverts to Chernus Constr. Co., 604 Boston Bl., Minneapolis, $16,293; **17 mi. S. P. 3-3, F.A.P. 283**, between Lake City and Red Wing, 342,000 cu.yd. excav. to G. W. Humphrey, Aberdeen, S. D., $79,894, bridge and culverts (A and B) to A. Beckman & Co., Lake City, $15 108, C culverts to C. W. Johnson, Red Wing, $2,109, 2 bridges to W. T. Baxter, Webster City, Ia., $7,300; **9 mi. S. P. 9-33, F.A.P. 311**, between Welcome and Fairmont, 125,000 cu.yd. excav., to C. Weaver, Anoka, $44,216, one 40 ft. deck girder bridge to F. D. Gould, Fairmont, $8,473; **9 mi. S. P. 12-23, F.A.P. 284**, between Chaska and Excelsior, 256,000 cu.yd. excav., to Nelson, Fulton & Nelson, Plymouth Bldg., Minneapolis, $106,240, culverts to C. W. Johnson, Red Wing, $11,501, Bridge 4069, 85 ft. beam span, to Adams Constr. Co., 927 Andrus Bldg., Minneapolis, $7,925; **10 mi. S. P. 22-23, F.A.P. 324**, between St. Peter and Norseland, 125,000

Streets and Roads (Continued)

cu.yd. excav., to Cameron, Joyce & Co., Keokuk, Ia., $46,531, bridge to C. W. Johnson, Red Wing, $5,985, culverts to W. T. Baxter, Webster City, Ia., $818; **21 mi. S. P. 22-24, F.A.P. 254**, between Greenleaf and Eden Valley, 272,000 cu.yd. excav., to C. Weaver, Anoka, $93,511, culverts to Chernus Constr. Co., 604 Boston Bl., Minneapolis, $8,630; **2 mi S. P. 55-21, F.A.P. 229**, between Cloquet and Scanlan, 24,327 sq.yd. concrete paving to Johnson, Drake & Piper, 809 1st Natl.-Soo Line Bldg., Minneapolis, $64,297, 22,000 cu.yd. excav. culverts to C. R. McLean, 307 1st Natl. Bank Bldg., Duluth, $37,026, bridge to Guaranty Constr. Co., 305 Essex Bldg., Minneapolis $3,420. Noted July 12.

Kan., Humbolt—Paving various streets with 18,540 sq.yd. rein.-con., 16,700 lin.ft. curbing and gutter, 6,300 cu.yd. earth and 2,200 cu.yd. rock excav. to Cook & Stucker, Ottawa, $65,917. Engrs. est. $75,000.

Kan., Independence — Montgomery Co. will improve 3.885 mi. Cherryvale-Morehead Rd., Federal Aid Project 79, Sect. A, 18 ft. and surface 4.08 mi. Cherryvale Morehead Rd., Federal Aid Project 79, Sect. B, bituminous macadam, by day labor. H. K. Hibbard, co. engr.

Kan., Wichita—Sedgwick Co. will grade and sand clay surface 2.759 mi. Hillside Ave. Rd., 18 ft., by day labor. M. Roseberry, co. engr.

Kan., Yates Center — Paving various streets with 6,972 sq.yd. 3 in. vitrified brick, 3,762 lin.ft. curbing and gutter, 1,955 cu.yd. earth and 175 sq.ft. rock excav., to J. K. Shinn, Independence, $28,447. Engrs. est. $30,000.

Wyoming — State Hy. Dept., Cheyenne, grading and surfacing 3.9 mi. Federal Aid Project 153, Lincoln Highway from Laramie east, Albany Co., 24 ft., to Ames Braisted Constr. Co., Laramie, $42,225; one 20 ft. skew concrete span on above to H. C. Lallier Eng. Constr. Co., Hudson, Colo., $9,514; 7.1 mi. Federal Aid Project 145, near Cowley, Big Horn Co., to Taggart & Tebbs, Constr. Co., Cowley, $44,689; 40 ft. span concrete bridge over Coal Creek near Kirby, on Yellowstone Highway, Federal Aid Project 141, Hot Springs Co., to C. M. Smith, Thermopolis, $7,425. Noted Aug. 2.

Mont., Missoula—Grading, building culverts, etc., on 7 mi. Lolo Pass Sect., Lewis and Clark Highway, from Lolo Hot Springs to Idaho-Montana Line, Missoula Co., to E. A. Webster & Co., Spokane, Wash., $91,995.

Mo., Richmond Heights (St. Louis, P. O.)—Grading and asphalt paving 17,600 sq.yd. Bellevue Ave., to R. D. Clark, Cape Girardeau. Engrs. est. $65,000. Noted Aug. 2.

Tex., Beaumont—Uvalde Rock asphalt paving, Neches, Park, Forrest and Hazel Sts., to Uvalde Rock Asphalt Co., Beaumont, $26,043.

Tex., Ft. Worth—Paving 6th St., 3 in. vertical fibre brick on 5 in. concrete and resurfacing 10,300 sq.yd. 3rd St., 1½ in. Amiesite, to J. F. Wills, 115 Bryan St., $3.25 and $1.45 per sq.yd. respectively, total $35,558.

Tex., Johnson City—Blanco Co. improving 7.19 mi. Highway 20-A, to H. J. Evans, 500 West 15th St., Austin, $53,428; 14.08 mi. Highway 46 and 5.53 mi. Highway 20 A, to Ruby & Co. $16,684 and $22,864 respectively. Noted Aug. 9.

Okla., Fairfax—Grading and paving 14 blocks Main, Mulberry and Elm Sts., to L. R. Moran, Okmulgee, 29,110 sq.yd. vertical fibre brick at $3.95 per sq.yd, 9,800 lin.ft. concrete curb and 11,000 lin.ft. concrete gutter $1.60, 9,980 cu.yd. earth excav. $0.90, 140 cu.yd. rock excav. $2.90, total $158,913. Engrs. est. $160,946. Noted Aug. 9.

Okla., Sayre—Grading and concrete paving Cedar, Walnut and 2nd Sts., to Pearce Constr. Co., Edmond, 7,200 sq.yd. concrete at $3.20, 3,700 lin.ft. curbing $0.90, 2,300 cu.yd. excav. $0.75, total $35,006. Noted Aug. 2.

Washington—State Hy. Comn., Olympia, grading and gravel surfacing 4.48 mi. North Bank Highway, Skamania Co., to Moore & Anderson, Tacoma, 62,000 cu.yd. earth excav. $0.55, 44,730 cu.yd. common excav. $0.50, 3,300 cu.yd. loose rock excav. $0.80, etc., total $123,479; 11.6 mi. Permanent Highway 9, Husum-Trout Lake Rd., Klickitat Co., to G. Wilson, Sunnyside; grading and surfacing with gravel or crushed rock 4.63 mi. Chelan-Okanogan Highway from Brewster Flat north, Okanogan Co., to Payne & Hewitt, Spokane, $29,879 for crushed rock, $22,405 for crushed gravel; surfacing with crushed rock 12.47 Inland Empire Highway from Ellensburg to Indio, Kittitas Co., to Carlson & Nyberg, Mitchell, **$62,124.** Noted July 19 and 26.

Wash., Seattle—Paving 15th Ave. W., to Olympic Constr. Co., 1326 Northlake Ave., 18,100 sq.yd. 8 in. concrete $2.20 per sq.yd., 1,725 sq.yd. 7 in . concrete $1.90, 815 ft. asphaltic concrete curb $0.70, 5,400 ft. concrete curb $0.45, 2,580 ft. special concrete gutter $0.70, 6,060 ft. concrete header $0.45, 49,000 cu.yd. excav. $0.50, total $112,672. Engrs. est. $115,817.

Wash., Seattle—King Co., concrete paving East 65th St., to J. L. Smith, Pioneer Bldg., $29,900. Engrs. est. $30,180.

Calif., Calistoga — Town Trustees, improving various streets 508,900 sq.ft. grading, 474,900 sq.ft. 5 in. concrete, 28,370 lin.ft. concrete curb, etc., to J. F. Knapp, P. O. Box 595, Ontario, $136,026.

Calif., Glendale — Improving Windsor, Garfield Sts., etc., to W. J. Curren, P. O. Box 159, 5,335 lin.ft. grading at $0.80 per lin.ft., 8,365 ft. curb $0.50, 7,473 sq.ft. 5 in. concrete gutter $0.22, 156,320 sq.ft. 3 in. oil macadam $0.10, etc., total $36,300.

Calif., Huntington Beach — Improving Ocean Ave., 711,300 sq.ft. 2 in. willite plastic compacted surface on 4 in. asphaltic concrete, 23,800 cu.yd. excav. for pavement, 1,395 cu.yd. excav. for sewers, etc., to G. M. Souter, Los Angeles, $238,900.

Calif., Los Angeles—Improving Windsor St. between Rosewood and Beverly Sts., to G. H. Oswald, 366 East 58th St., total for grading $6,300, 154,559 sq.ft. warrenite bitulithie at $0.317, 6 ft. curb $1, 9,283 sq.ft. warrenite bitulithic $0.317.

Calif., Monterey—To S. Ruthven, Monterey, paving Munras Ave., 2 in. asphaltic concrete on 5½ in. macadam, etc., $12,500; grading, curbing, sidewalks and paving Pacific and El Dorado Sts., 3½ in. asphaltic concrete surfacing, $63,000. Noted July 12.

Calif., Oakland—Alameda Co., grading and paving Livermore-Pleasanton Rd., to Kaiser Paving Co., 1st Savings Bank Bldg., $175,006. Noted Aug. 9.

Calif., Redwood City—Grading, curbing and concrete paving Jefferson Ave., to W. A. Dontanville, Salinas, $38,385.

Calif., Richmond—Concrete curbing, guttering, sidewalks and paving portions Stege Ave., et al., to Hutchinson Co., Hutchinson Bldg., Oakland, $37,724. Noted Aug. 9.

Calif., San Mateo—Concrete curbing and 5 in. concrete paving 545,000 sq.ft. Tilton Ave.; to Downer & Mero, 2234 Macdonald Ave., Richmond, $164,000. Noted Aug. 2.

Calif., San Mateo—Improving portions 1st, 2nd, 3rd and 4th Aves., etc., 323,000 sq.ft. 5 in. concrete, 14,500 ft., concrete curb, etc., to Galbraith & Janes, Yuba City, $85,000. Noted Aug. 16.

Calif., Santa Paula—Improving Santa Parbara Ave., to Southwest Paving Co., Washington Bldg., Los Angeles, 753,000 sq.ft. 4 in. asphalt at $0.155, 82,760 sq.ft. 4 in. concrete $0.165, 16,000 sq.ft. 4 in. walks $0.15, 7,200 lin.ft. 15 in. curb $0,75, etc.; improving Pleasant St., to J. T. Cornwall, Santa Barbara, 398,180 sq.ft. 4 in. concrete pavement $0.1575, 9,620 sq.ft. 4 in. concrete walks $0.165, 2,760 lin.ft. 15 in. concrete curb $0.18, etc., total $65,723. Noted Aug. 9.

Calif., Ventura—Ventura Co. will surface Briggs Rd., 96,000 sq.ft. asphalt macadam, 6,000 lin.ft. shaping and rolling, by force account, under supervision of C. Pettit, engr., Ventura.

British Columbia—State Hy. Dept., Victoria, grading and gravel surfacing 1½ mi. Golden-Yoho Park Highway, to W. P. Turney & Co., 924 Nicola St., Vancouver, $45,000.

Industrial Works

PROPOSED WORK

Conn., Hartford—Hartford Empire Co., Homestead Ave., having plans prepared by Buck & Sheldon, Inc., archts. and engrs., 60 Prospect St., two 1 story, 36 x 50 ft. factories, brick, plain foundation, Homestead Ave. $50,000.

Conn., Wethersfield—State Prison Comn. having plans prepared by Buck & Sheldon, archts. and engrs., 60 Prospect St., Hartford, 2 story, 50 x 100 ft. factory, brick and steel, plain foundation. $40,000.

N. Y., Albany—International Harvester Co. of America, 960 Bway., having plans prepared 2 story, 50 x 210 ft., rein.-con. garage and service station, plain foundation. $75,000. Private plans.

N. Y., Albany—Albany Garage Co., 28 Howard St., having plans prepared by T. L. Gleason, archt. and engr., 45 Maiden Lane, razing old building and constructing 5 story, 75 x 120 ft., rein.-con. and steel garage, plain foundation. $300,000.

N. Y., Buffalo—E. H. Close Realty Co., 734-50 Main St., having plans prepared 6 story, store and garage, brick, Main St. $125,000-$175,000.

N. Y., Buffalo—Amer. Lithograph Co., 111 Swan St., plans 1 story, 200 x 400 ft., rein.-con. and brick factory, Elmwood Ave. and Amherst St. To exceed $500,000. Engineer and architects name withheld.

N. Y., Buffalo—Honde Eng. Corp., 1392 West Ave., plans rein.-con., brick and steel factory, Northland Ave. To exceed $75,000.

N. Y., Rochester—Eastman Kodak Co., Kodak Park, plans 5 story and basement, 87 x 196 ft., rein.-con. warehouse, State and Brown Sts. $200,000.

Pa., Phila.—H. S. and L. S. Levy having plans prepared 3 story, 80 x 100 ft. concrete factory, Wayne and Berkley Sts. $80,000. Engineer and architect not announced.

Pa., Pittsburgh — Pittsburgh Malleable Iron Co., 34th and Smallman Sts., having plans prepared by P. Dietz, Lyceum Bldg., 1 story, brick and corrugated iron mill, 34th St. $150,000.

Pa., Sharpsburg—Natl. Eng. & Machine Co., 19th St. and Pennsylvania R.R., plans addition to factory, 19th St. $50,000. A. Weeks, c/o owner, engr.

N. C., Archdale — E. A. Smith, Latta Arcade, Charlotte, J. Smith, Kings Mountain, et al., plan large cotton mill, here, along tracks Southern Ry. between Kings Mountain and Grover.

N. C., Greensboro — City Council authorized $160,000 bonds for abattoir and fire houses. P. S. Painter, city mgr.

La., Shreveport—Kansas City Southern Ry., 11th and Wyandotte Sts., Kansas City, Mo., plans 1 story, car repair shop, to replace one recently destroyed by fire. $175,000. A. N. Reese, ch. engr.

Tenn., Martin—Kentucky Dark Tobacco Growers Co-operative Assn., Hopkinsville, Ky., having plans prepared by Manly & Young, Knoxville, 125 x 125 ft. warehouse, here. $40,000.

O., Cleveland—J. Rutkowski of Cleveland Structural Steel Co., 6600 Park Ave., had plans prepared 1 story, 100 x 120 ft., brick, steel and concrete factory, East 49th St. and Harvard Ave. $60,000. Private plans.

O., Dayton—Monarch Marking System Co., 216 South Torrence St., plans 3 story and basement, 80 x 175 ft., rein.-con. and brick factory, plain foundation, Torrence St. $100,000. Engineer and architect not selected.

Ill., East St. Louis—Baltimore & Ohio R.R. Co., Baltimore and Charles Sts., Baltimore, Md., soon takes bids round house, machine and car repair shops, several miles storage yards on 219 acre tract near here. $2,000,000. H. A. Lane, ch. engr.

Wis., Hartford — Spaeth Packing Co. plans to rebuild 1 story, 32 x 250 ft., brick and concrete or brick plant, plain foundation, recently destroyed by fire. $50,000. Engineer and architect not selected.

Wis., Madison — Silver Spring Bottling Co., 932 Emerald St., plans 2 story and basement, 60 x 85 ft., rein.-con., brick and steel bottling plant, plain foundation. $40,000. W. Sinaiko, prop. Architect not selected.

Wis., Watertown — Jaeger Milling Co. plans 2 or 3 story flour mill, brick and wood, plain foundation. $50,000. A. C. Jaeger, 514 1st St., pres. Engineer and architect not selected.

Wis., Milwaukee—Journal Co., 182 4th St., having plans prepared by D. F. Chase, Inc., engr. and archt., 645 North Michigan Ave., Chicago, 5 story and basement, 150 x 200 ft., newspaper plant, brick and concrete, plain and wood pile foundation. $40,000. Contract for foundation, including piling and excav., to W. W. Oeflin, 86 Michigan St., Milwaukee.

Ia., Riceville—Riceville Oil Co. having plans prepared by G. L. Lockhart, 1353 University Ave., St. Paul, Minn., 1 story, 36 x 154 ft. garage, tile and stucco. $45,000.

Minn., St. Paul—Sudie Bakery Co., 925 Payne Ave., had plans prepared by Hausler & Kerr, 548 Hamn Bldg., and soon takes bids 3 story and basement, 125 x 125 ft. bakery, brick and concrete, 12-20 Sims St. $125,000.

S. D., East Sioux Falls (Sioux Falls P. O.)—Natl. Crushed Stone Co., Sioux Falls, having plans prepared concrete and brick factory, to replace one recently destroyed by fire. $40,000.

Mo., Springfield—Lipscomb Grain & Seed Co., 540 Wall St., soon takes bids 2 story and basement, 53 x 100 ft. warehouse with 6 tanks 76 ft. high, 13 grain bins and 28 x 32 ft. elevator, 132 ft. high, rein.-con. and steel. $150,000. Southwest Eng. Co., Woodruff Bldg., engrs. Noted May 31.

Mo., Stockton—Stockton Light & Power Co., plans 1 story, 25 x 40 ft. power plant, concrete spillway 130 ft. long, 10 ft. high, dam and 18 mi. transmission line from Stockton to Fairplay, etc. Private plant. $60,000.

Mo., St. Louis—Roxana Petroleum Co., Arcade Bldg., had plans prepared 40 gasoline service stations, 2 large supply houses and necessary storage tanks, etc.

Industrial Works (Continued)

$250,000-$1,000,000. Five stations each to cost $3,500 will be started immediately and 2 costing $6,000 will be done by day labor. Private plans.

Tex., Dallas—Texas Corrugated Box Co., Dallas Co. Bank Bldg., c/o W. Liebman, making plans plant in Love Field Industrial Dist. Cost incl. equipment $100,000. Private plans.

Tex., Jacksonville—Dupont Fibre Silk Corp., Wilmington, Del., plans silk plant on site of old Hickory powder plant, here. $4,000,000. Private plans.

Tex., Orange—R. S. Manley making plans creosoting plant, along Sabine River. $450,000. Private plans.

Tex., San Angelo—R. P. Amacher soon takes bids 2 story, 100 x 190 ft., rein.-con. and brick garage. $115,000. J. H. Martling, 517 Massachusetts Bldg., Kansas City, Mo., archt.

Calif., Davis—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, appropriated $95,000 for additions to truck repair plant, new roads and yard improvements, here. Private plans.

Calif., Fresno—Maisler Bros., 2244 Railroad Ave., plan 1 story warehouse, fireproof, California St. and Van Ness Ave. $40,000. Engineer and architect not selected.

Calif., Los Angeles—California Tire & Tube Co., Detwiler Bldg., plans factory. To exceed $750,000.

Calif., Los Angeles—Electric Corp., 836 South Los Angeles St., having plans prepared by J. M. Cooper, Marsh-Strong Bldg., 4 story warehouse and loft, rein.-con., 11th and Santee Sts. To exceed $90,000.

Calif., Los Angeles—Federal Refrigerating Co., having preliminary sketches made by F. D. Chase, Inc., 533 Title Insurance Bldg., 6 story and basement, 200 x 400 ft., ice and cold storage plant, rein.-con., Downey Rd. $2,000,000.

Calif., Oakland—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, having plans prepared 2 story, 75 x 100 ft., rein.-con. and steel substation, 21st St., here. $280,000. Private plans.

Calif., Oakland—L. A. Young Industries, Inc., 9200 Russell St., Detroit, Mich., plans group of 2 story factory buildings, 73rd Ave., here, to exceed $75,000.

Calif., Pittsburg—Truscon Steel Co., 709 Mission St., San Francisco, plans factory, here. To exceed $40,000.

Calif., San Francisco — Pacific Gas & Electric Co., 445 Sutter St., having plans prepared electric sub-station, concrete and steel. To exceed $50,000. Private plans.

Ont., Eastview—Beeby Range Co., Ottawa, soon takes bids factory on Montreal Rd., here. $100,000.

BIDS DESIRED

Conn., Bloomfield—R. G. Miller receiving bids and opens same about Aug. 21, 2 story, 50 x 80 ft. creamery, brick, plain foundation, Barbour and Earl Sts. $60,000. W. D. Johnson Co., 174 Bond St., Hartford, archts.

La., Shreveport—Roesse & Olschner, archts. and engrs., Ardis Bldg., taking bids 2 story, 80 x 294 ft. concrete and brick warehouse, plain foundation, Texas and Van Loan Sts. for W. H. Booth, c/o Archts., to exceed $75,000.

O., Cleveland—Aug. 27, by Miller-Becker Co., 6411 Central Ave., 2 story and basement, 50 x 135 ft., brick and steel garage, Central Ave. and 63rd St. $50,000. A. F. Janowitz, Permanent Bldg., archt.

Mich., Marquette—N. A. Nelson, archt., Ironwood, taking bids 2 story, 70x124 ft. concrete and brick garage, plain foundation, for E. W. Cork, Marquette. $65,000.

Wis., La Crosse—O. J. and R. E. Sorenson, archts., 216 Main St., taking bids 1 story and basement, 42 x 100 ft., tile and concrete warehouse, plain foundation, for A. Grams & Son, 222 South Front St. $40,000.

Calif., Lodi—Gloria Ice Cream Co., Oak and Aurora Sts., will build 1st unit of ice cream plant, refrigerator unit, Central and Railroad Aves., by separate contracts under supervision of J. F. Watson, archt., 403 East Pine St. $50,000. Noted June 14.

Calif., Sacramento — Woollett & Lamb, archts., Mull Bldg., receiving bids 1 story and basement, 80 x 160 ft., warehouse and store, brick, 5th and R Sts., for C. Ohmura (Sacramento Growers Market), c/o architects. $40,000.

Calif., San Francisco — Eng. Dept. of Pacific Gas & Electric Co., 445 Sutter St., taking bids on steel and mechanical equipment for 1 story, 75 x 100 ft. steam plant, rein.-con. and steel, Stevenson St. between 5th and 6th Sts. $250,000. Noted July 26.

Calif., San Francisco — Weeks & Day, archts., 315 Montgomery St., receiving bids 5 story and basement, 100 x 180 ft., rein.-con. warehouse, Brannan and 9th Sts., for Standard Sanitary Mfg. Co., 149 Bluxome St.

Calif., San Francisco—Meyer & Johnson, archts., Bankers Investment Bldg., receiving bids 1 story, 90x160 ft. laundry, rein.-con., Howard and Falmouth Sts., for Hotel Owners Assn., c/o architects. $40,000. Noted July 12.

BIDS RECEIVED

N. Y., West New Brighton—J. A. Lynch, pres. Richmond Boro, City Hall, Aug. 16, repair shop and garage, Clove Rd. south of Castleton Ave., here, from Anderson Constr. Co., $49,490.

CONTRACTS AWARDED

Conn., Waterbury — Bristol Co., Platts Mills, 1 story, 50 x 100 ft. factory, brick and steel, plain foundation, to Clark Constr. Co., 168 Grand St. Archts. est. $50,000. Noted Aug. 2.

N. Y., Brooklyn—Murray & Mauceri, c/o A. Goldberg, archt. and engr., 164 Montague St., will build 1 story, rein.-con., brick and steel garage, plain foundation, Knickerbocker Ave., by day labor. $50,000.

N. Y., Brooklyn—Sterling Constr. Co., c/o M. Klein, archt. and engr., 37 Graham Ave., will build 1 story, rein.-con., brick and steel, plain foundation, 54th St., by day labor. $50,000.

N. Y., Eastview—F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, central heating plant for buildings, here, to Martin Corp., White Plains, $75,000. Noted July 26.

Pa., Phila.—Bd. Trustees University of Pennsylvania, 34th and Woodland Aves., boiler plant for university buildings and hospital to McClellan & Junkersfeld Inc., 45 Williams St., New York City.

Pa., Phila.—Colonial Knitting Mills Inc., B and Clearfield Sts., 3 story, 86 x 170 ft. and 1 story, 45 x 110 ft. brick and stone plant, B and Clearfield Sts., to Austin Co., Jefferson Bldg., $245,000.

La., Shreveport — Southwestern Gas & Electric Co., 2 story, 60 x 150 ft. brick, stone and terra cotta warehouse, Travis and Marshall Sts., to W. H. Werner, Shreveport, $95,742. Noted Aug. 2.

O., Cleveland—Lees-Bradner Co., 6210 Carnegie Ave., 1 story, 55 x 100 ft. machine shop and 1 story, 30 x 100 ft. storage plant, both brick and steel, to G. W. Warmald, 1617 Eddy Rd. Archts. est. $50,000. Noted July 12.

O., Cleveland—Malbin Realty Co, c/o S. Malbin, 2741 East 34th St., 5 story and basement, 115 x 145 ft. rein.-con. and brick warehouse, East 35th St., to P. Kirschner Co., 2914 East 75th St. Archts. est. $150,000. Atlantic & Pacific Co., 1200 West 9th St., lessee. Noted July 19.

Mich., Detroit—F. E. Bromley, 2642 East Grand Blvd., 1 story, 120 x 340 ft., brick and steel factory, plain foundation, Christopher Ave., to E. Winters Co., 751 Book Bldg.

Mich., Detroit—Hudson Motor Co., Jefferson Ave., 1 story, 65 x 280 ft., brick and steel factory addition, plain foundation, Connors Ave., to Brayton Eng. Co., 6500 Epworth Blvd. Noted Aug. 2.

Ill., Chicago—P. C. Winn, 1107 Albion Ave., 2 story, 161 x 171 ft. garage, fireproof, 1217-31 Morse Ave., to Schmidt Bros. Constr. Co., 22 East Huron St. Archts. est. $60,000. Noted July 19.

Wis., Janesville — Chevrolet Motor Car Co. will build 1 story, 90x288 ft., rein.-con., brick and steel factory, plain foundation, by day labor. $100,000. T. E. Wilson, c/o owner, engr. Noted July 13.

Wis., Janesville — Hough Shade Corp., 1059 McKey Blvd., 1 story, 50 x 90 ft., brick and rein.-con. factory, steel frame, plain foundation, to W. J. Fitzgerald, Hook Bros. Bldg., Beloit.

Wis., Kenosha—Kenosha Evening News, 261 Wisconsin St., remodeling and building 2 story, 37 x 70 ft., brick and concrete addition to plant, plain foundation, to G. Lindermann, 237 Lake Ave. Archts. est. $40,000. Noted Aug. 2.

Kan., Bonner Springs—International Cement Corp. plans addition to cement plant, most of work to be done by day labor; kilns to Heine Co., 30 Church St., New York City, $35,000. Total $1,000,000. Tuttle, Ayres & Woodard, 305 Reliance Bldg., Kansas City, Mo., engrs.

S. D., Sioux Falls — Skoug Candy Co., 126 West 9th St., 2 story and basement, 66 x 80 ft. rein.-con. and brick addition to factory, 1001 East 8th St., to Sioux Falls Constr. Co., Sioux Falls, $60,000.

Tex., Corsicana—Navarro Ice Co. 1 story, 90 x 150 ft. ice plant, brick and concrete, 12th St. along tracks Cotton Belt R.R., by day labor. Noted Aug. 16.

Tex., Dallas—Smith Bros. Constr. Co., Sumpter Bldg., will build concrete mixing plant, South Dallas St., by day labor. $30,000. Private plans.

Tex., Ft. Worth—Dunn-Locke Mfg. Co., Lake and Dagget Sts., 1 story and basement, brick, plain foundation, to H. Friedman, First Natl. Bank Bldg., $40,000. Noted June 21.

Tex., Ft. Worth—Trinity Portland Cement Co., Commonwealth Bldg., Dallas, will build 2,500 bbl. cement plant, by day labor. $1,000,000. R. L. Humphrey, Harrison Bldg., Phila., engr. Noted July 26.

Tex., Houston—A. Sprunt Co., Ship Channel, concrete warehouse, to Southwestern Constr. Co., West Bldg., $275,000.

Tex., Nashville—Chevrolet Nashville Co., 109 3rd Ave., N., 1 story, 100 x 150 ft., brick and concrete garage and salesroom, 5th and Broad Sts., to Summer Constr. Co., Broad St., $50,000.

Tex., San Antonio—J. Steves, 509 King William St., 1 story, brick and timber garage, South Alamo St., to L. W. Tyler, Builders Exch. Bldg., $51,969.

Calif., Los Angeles—Acme White Lead & Color Wks., 345 East 3rd St., 1 story factory, brick, Alosta St., to H. M. Baruch, 441 I. W. Hellman Bldg., $70,000. Noted July 12.

Calif., Los Angeles—Southern California Gas Co., 950 South Bway., 4 story and basement, 140 x 250 ft. industrial building, rein.-con., 7th St. and Santa Fe Ave., to Foundation Co., Higgins Bldg., $280,000.

Calif., Menlo Park—M. Dioze and P. Darracq, County Rd., 2 story, laundry, timber, to J. McBain, Menlo Park, $40,000.

Calif., Oakland—W. E. Travis, 366 14th St., 1 story, concrete shop and garage, Market St. near 21st St., to G. P. W. Jensen, 520 Market St., San Francisco, $65,000.

Calif., San Francisco — J. Pasqualetti, 785 Market St., 2 story and basement, garage, concrete, Bush St. near Franklin St., to Amer. Concrete Co., Humboldt Bank Bldg., $40,000.

Calif., San Francisco—Hale Bros., 5th and Market Sts., 8 story and basement, warehouse and lofts, rein.-con., Stevenson and 5th Sts., to Macdonald & Kahn, 132 Montgomery St., $100,000. Noted Aug. 16.

Ont., Oshawa—General Motors Corp. of Canada, Ltd., 2 story, 100 x 600 ft., rein.-con., brick and steel plant, Division St., to W. J. Trick & Co., 25 Albert St. Engrs. est. $300,000. Noted Aug. 9.

Buildings

PROPOSED WORK

Conn., Hartford—Apartment—W. Greenberg, Bellevue St., rejected bids 3 story, 120 x 120 ft., rein.-con. and brick, plain foundation, Westland and Windsor Aves., $200,000. Will readvertise. Golden-Storrs & Co., 1127 Main St., archts. Noted June 28.

Conn., New London—Office—Connecticut Power Co., 33 Union St., plans 3 story, brick and steel, plain foundation, Meridian St. $200,000 S. W. Denhoirn, genl. supt. Private plans.

Conn., New London—Office—F. W. Mercer, 64 Huntington St., plans 3 story, brick, plain foundation, Meridian St. $150,000. Engineer and architect not selected.

N. Y., Buffalo—Church—St. Vincent de Paul Parish, 15 Eastwood Pl., having plans prepared 75x175 ft., rein.-con., brick and stone, Eastwood Pl., $160,000. Engineer and architect's name withheld.

N. Y., Flushing—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone, plain foundation, 45th St., 27th and 28th Aves., here. $200,000.

N. Y., New York — Hospital—Bronx Municipal Hospital, Dept. Pub. Welfare, Municipal Bldg., having plans prepared brick, steel and stone, plain foundation, East 167th St. between Walton and Gerard Aves. $450,000.

N. Y., New York — Apartment — H. H. Uris, c/o A. C. Bossom, archt. and engr., 680 5th Ave., having plans prepared 12 story, brick, steel and stone, plain foundation, Park Ave.

N. Y., New York—Loft—M. Feuer, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., having plans prepared brick, steel and stone, plain foundation, 150 West 36th St. $175,000.

N. Y., Port Richmond — School — Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone addition to P. S. 16, plain foundation, here. $200,000.

N. Y., Troy—Church—Church of Sacred Heart, had plans prepared by T. L. Gleason, archt. and engr., 45 Maiden Lane, Albany, 3 story, 90 x 220 ft., rein. con.,

Buildings (Continued)

steel, stone and Indiana limestone, plain foundation, Pawling Ave. $500,000.

N. J., New Brunswick—College—State College Comn., Trenton, plans 3 story, 78 x 158 ft., rein.-con., brick and steel, here. $250,000. A. B. Mills, State Office Bldg., Trenton, archt.

Pa., Avalon—High School—Bd. Educ. having plans prepared by M. C. Kressley Co., 13 4th St., Harrisburg, 2 story and basement, 96 x 113 ft. rein.-con., brick and steel, California Ave. $180,000.

Pa., Johnstown—Temple—Masonic Temple Assn., Alma Hall, plans 3 story and basement, 140 x 200 ft. brick, steel and stone, Valley Pike and Linton Sts. $500,000.

Pa., Phila.—Hotel—L. H. Cahan & Son, 1324 Walnut St., having plans prepared by H. E. Kennedy, 1324 Walnut St., 25 story or more, brick, steel, terra cotta and stone, Broad and Locust Sts. $10,000,000.

Pa., Sharon—Temple—Sharon Lodge 282, L. O. O. M., having plans prepared by W. H. Crosby, Masonic Bldg., Oil City, 2 story and basement, 88 x 220 ft. brick, steel and stone, State and South Main Sts. $175,000.

Pa., Warren—Home—Warren Co., City Hall, having plans prepared 3-4 story brick, Market St. $125,000 to $150,000. A. Rogers, city engr.

Pa., Williamsport—Exchange—Bell Telephone Co., 206 North 3rd St., Harrisburg, plans 3 story and basement, 123 x 200 ft. brick and steel, 4th and Elmira Sts., here. $275,000.

Md., Baltimore—Police—Mayor and City Council plan 6 story, 90 x 370 ft., Fallsway, Lexington, Harrison and Fayette Sts. Election in November to vote on $700,000 bonds Engineer and architect not selected.

Md., Baltimore—Schools—Mayor and City Council, City Hall, plan 4 or 5 story, Pulaski Ave., $1,000,000, J. E. Sperry, Calvert Bldg., archt.; three 4 story, at Hamilton, Walbrook and Arlington, $450,000 each, C. N. Friz, Lexington Bldg., archt.; 4 story, at Canton. Project 2, $500,000, Wyatt & Nolting, Keyser Bldg., archts.; 4 story, at Roland Park. Project 4, $500,000, E. L. Palmer, Jr., 513 North Charles St., archt.; 4 story, at Rognel Heights, $450,000, W. G. Beecher, 12 East Pleasant St., archt.; 3 story, at Irvington. Project 6, $400,000, H. Sill, 12 East Pleasant St., archt.; 3 story addition to School 70, Warren Ave., Project 8, $300,000, O. G. Simonson, Inc., Hearst Tower, archts.; 3 story addition to School 13, Patterson Park Ave. and McElderry St., Project 9, $300,000, R. P. Allen, 3 East Lexington St., archt.; 3 story addition to School, Pimlico Rd., Project 7, 300,000, J. E. Laferty, 13 West Mulberry St., archt. All foregoing concrete and brick, plain foundations. Engineers not selected.

Fla., St. Augustine—Schools—St. Johns Co. voted $300,000 bonds for schools. D. D. Corbett, supt. Pub. Institutions. Noted July 26.

Miss., Jackson — Office — Sanguinett, Staats & Hedrick, archts., First Natl. Bank, Ft. Worth, and N. W. Overstreet, archt., Jacksonville, takes bids in September, 10 story and basement, 80 x 148 ft., brick, stone and concrete, plain foundation, for Lomar Life Insurance Co., Jacksonville. $500,000.

La., New Orleans — Hospital — Presbyterian Hospital, 719 Carondelet St., having plans prepared by DeBuys & Armstrong, Hibernia Bank Bldg., 10 story, Baronne and Girod Sts. $1,250,000.

La., New Orleans — Schools — Orleans Parish School Bd. having plans prepared by A. Christy, school archt., for boys' school on Nashville and South Claiborne Aves., Hurtsville and Story Sts. Plan to build girl's school in upper part of city.

La., New Orleans — Theatre — Saenger Amusement Co., Tulane and Liberty Sts., having plans prepared by E. Weil, Whitney Annex Bank Bldg., theatre on Canal and North Rampart Sts. $1,000,000.

Tenn., Memphis — Library — Cossitt Library had revised plans prepared by E. L. Harrison, U and P Bldg., 2 story, sandstone, etc., South Front and Monroe Sts. $150,000. Noted July 26.

Tenn., Memphis—Store—Snowden Estate had plans prepared by Hanker & Cairns, Scimitar Bldg., and E. Weil, Whitney Annex, New Orleans, La., 8 story, 148 x 148 ft., terra cotta, rein.-con., etc. $1,250,000. B. Lowenstein Bros., Inc., Main and Court Sts., lessee.

O., Attica—School—Town Bd. plans 2 story, brick. $150,000.

O., Cincinnati—Exchange—Cincinnati & Suburban Bell Telephone Co., Telephone Bldg., plans 2 story, 55 x 109 ft., Harrison and Epworth Aves. $250,000. H. Hake, Telephone Bldg., archt.

O., Cleveland—Apartment—I. B. Rabb, 203 Ulmer Bldg., having plans prepared by Braverman & Havermaet, Ulmer Bldg., 4 story and basement, 105 x 175 ft., brick and timber, East 77th St. near Hough Ave. $300,000.

O., Cleveland—Commercial and Apartment—E. A. Curtis (archt. and owner), Ulmer Bldg., prepared plans two 3 story and basement, 47 x 132 ft., brick and timber, East 156th St. and Corsica Ave. $150,000. Private plans.

O., Cleveland—Commercial and Apartment—Lake Shore Land & Development Co., c/o S. H. Kleinman, Natl. City Bldg., plans 8 story and basement, 126 x 148 ft., brick, steel and concrete, East 93rd St. and Carnegie Ave. $500,000. Engineer and architect not selected.

O., Lakewood (Cleveland, P. O.)—Apartment—Lerman & Libman, 3219 East 117th St. Cleveland, having preliminary plans prepared by Braverman & Havermaet, Ulmer Bldg., Cleveland, 3 story and basement, 114 x 170 ft., brick and steel, Clifton Blvd., here. $300,000.

O., Sandusky — Commercial Hotel — M. Moskowitz, 2179 East 83rd St., Cleveland, interested in company now being formed which plans 8 story and basement, 130 x 130 ft., brick, steel and concrete, here. $1,000,000. J. H. Graham & Co., 8201 Cedar Ave., Cleveland, archts.

O., Springfield—Hospital—Clark Co. plans tuberculosis hospital, 5 buildings, rein.-con. and brick, plain foundations. $375,000. L. W. Hall, c/o Hall & Lethly, 806 Fairbanks St., archt.

Mich., Owosso—Temple—B. P. O. E. having plans prepared by Verner, Wilhelm & Molby, 602 Book Bldg., Detroit, 2 story and basement, 90 x 125 ft. rein.-con., brick steel and stone, plain foundation. $150,000.

Ill., Chicago — Apartment — A. Ingram, c/o R. Huszagh, archt., 105 North Clark St., plans 3 story, 53 x 282 ft., fireproof, Eastlake Terrace and Rogers Ave. $500,000.

Ill., Chicago—Apartment—E. A. Thoreson, 2051 North Spaulding St., soon receives bids 3 story and basement, 100 x 173 ft., fireproof, Berteau and North Keystone Sts. $200,000. R. F. France, 155 North Clark St., archt.

Ill., Chicago—Bank and Office—Cottage Grove State Bank, 7452 Cottage Grove Ave., plans 2 story, 50 x 125 ft., fireproof, Cottage Grove Ave. between 75th and 76th Sts. $175,000. A. M. Schwartz, 165 East Erie St., archt.

Ill., Chicago — Club — Shattuck & Layer, archts., 19 South La Salle St., soon receive bids 3 and 4 story, fireproof, Madison St. rear Cicero Ave., for Columbus West Side Building Corp., c/o architects. $700,000.

Ill., Marion—High School—Bd. Educ. having plans prepared by W. J. Brown, Amer. Trust Bldg., Cedar Rapids, Ia., 3 story and basement, rein.-con., brick and stone. $150,000. E. Miller, secy.

Wis., Madison — School — Bd. Educ., c/o E. B. Skinner, pres., plans 2 story and basement, brick, rein.-con. and steel addition, plain foundation, Spooner St. $200,000. Engineer and architect not selected.

Wis., Milwaukee — Medical, etc. — Marquette University, c/o H. Banzhaf, business mgr., 1115 Grand Ave., plans medical building, teaching hospital, nurses home and addition to dental building, brick, tile and concrete, plain foundation. $500,000. Engineer and architect not selected.

Wis., Neenah—High School, etc.—Bd. Educ., c/o G. W. Brunside, secy., 145 Wisconsin Ave., having plans prepared by J. D. Chubb, 109 North Dearborn St., Chicago, 3 story and basement, 100 x 150 ft., brick, rein.-con. and steel, plain foundation. $280,000.

Wis., Taylor—High School—Union High School Dist, c/o E. J. Smith, clk., plans 3 story and basement, 60 x 120 ft., brick, rein.-con. and steel, plain foundation. Engineer and architect not selected.

Ia., Marion — School — Voted $150,000 bonds for 3 story and basement, rein.-con., brick and stone, for Bd. Educ. $150,000. W. J. Brown, 201 Amer. Trust Bldg., Cedar Rapids, archt. Noted July 19.

Ia., Tipton — School — Defeated $235,000 bond issue for school. Miller, secy. School Bd. W. Gordon, 527 West 17th St., Des Moines, archt.

Minn., Willmar—Hospital—State Bd. of Control, Capitol, St. Paul, having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., St. Paul, two 2 story and basement, 55 x 120 ft., rein.-con., brick and tile, at State Hospital for Insane. $150,000.

Kan., Leavenworth—City Hall—Making preliminary plans 2 story and basement, 90 x 125 ft. $200,000. Private plans.

Kan., Manhattan—Church—First Methodist Episcopal Church, c/o G. H. Parkinson, pastor, soon takes bids 1 story, 50 x 80 ft., brick and rein.-con. $150,000. T. W. Williamson & Co., Central Natl. Bank Bldg., Topeka, Kan, archts.

Kan., Wichita—Office—W. G. Price, c/o Price Auto Service Co., 301 South Topeka St., plans 7 story and basement, brick and rein.-con., plain foundation, Emporia St. $175,000. Engineer and architect not selected.

Mo., St. Louis—Infirmary—Dept. Pub. Welfare had preliminary plans prepared altering infirmary and west wing of Isolation hospital, Arsenal St., $200,000. L. R. Brown, 301 City Hall, archt. and engr.

Mo., St. Louis — Theater, etc. — Local Syndicate, c/o J. S. Carr, Chippewa Bank, having preliminary plans prepared 4 story, 125-150 x 200 ft., rein.-con. and brick, plain foundation, Bway. $350,000 up. Private plans.

Ark., Paragould—Church—First Methodist Church having preliminary plans prepared by J. P. Almand, archt., Parks Bldg., Little Rock, 2 story, brick, concrete and stone. $175,000.

Ark., Texarkana—Hotel—Local Syndicate, c/o Chamber of Commerce, plans hotel, probably 10 story, 200 room. $750,000.

Wash., Tacoma — Apartment — F. F. Travis and A. I. Maltby having plans prepared by F. F. Travis, Tacoma, 6 story, concrete and brick, Tacoma Ave. and North 2nd St. $200,000.

Calif., Alameda — High School — City having preliminary plans prepared by C. Werner, Santa Fe Bldg., San Francisco, high school, rein.-con. or hollow tile. To exceed $150,000.

Calif., Belmont—Hospital—C. S. Howard, 2801 Bway., San Francisco, plans hospital here. $150,000. Engineer and architect not selected.

Calif., Compton—Bank, Store and Office—Bank of Compton, c/o E. P. and C. E. Norberg, archts., Union Bank Bldg., Los Angeles, had plans prepared 3 story, 60 x 115 ft. fireproof, Main St., here.

Calif., Fresno—College—Sisters of Holy Cross, 2811 Mariposa St., plans group of college buildings, probably fireproof. To exceed $250,000. Engineer and architect not selected.

Calif., Hollywood—Church—H. Patterson, archt., Johnson Bldg., Los Angeles, soon takes bids church, for Hollywood First Presbyterian Church, $150,000. Noted July 26.

Calif., Long Beach — Auditorium — City having plans prepared by Wright & Gentry Marine Bank Bldg., memorial auditorium, fireproof. $2,000,000 or more.

Calif., Los Angeles—Apartment—Ardmore Corp., c/o Walker & Eisen, archts., Pacific Finance Bldg., had plans prepared 4 story and basement, brick, Ardmore Ave. $150,000.

Calif., Los Angeles—Church—St. Vincents Parish, having plans prepared by A. C. Martin, 430 Higgins Bldg., rein.-con., with 150 ft. tower and 40 ft. dome, Adams and Figueroa Sts. $500,000.

Calif., Los Angeles—Hotel—H. Fidroeff and S. W. Fisher, having plans prepared by W. F Bowen, 813 Union League Bldg., 10 story and basement, 80 x 200 ft., brick and steel, Hollywood Blvd. and Serrano Ave. $750,000.

Calif., Los Angeles—Hotel and Store—Hartfield & Paulis, c/o L. A. Smith, archt., 3rd St. and Western Ave., had plans prepared 5 story and basement, rein.-con. and brick, Temple and Bway. Sts. To exceed $200,000.

Calif., Los Angeles—Schools—City having plans prepared by Architectural Dept. Bd. Educ., Security Bldg., additions to following schools, Harbor City School $24,000; Soto St. $48,000; Santa Monica Blvd. $24,000; 14th St. school (new building) $85,000.

Calif., Los Angeles—Store and Office—Cahn-McCabe, 716 South Spring St., plans about 12 story, 50 x 80 ft., brick and steel, 7th and Spring Sts.

Calif., Oakland—Store, Office and Theatre—M. I. Diggs, (owner and archt.), 1901 Telegraph Ave., preparing plans 8 story and basement, fireproof, 19th St. and Telegraph Ave. $500,000.

Calif., Palo Alto—High School—Palo Alto Union High School Dist. having plans prepared by B. M. Clark, 600 Embarcadero Rd., brick and concrete addition. $150,000.

Calif., Patton — Hospital — State had plans prepared by G. B. McDougall, Forum Bldg., Sacramento, hospital cottage building on hospital grounds, here. $200,000.

Calif., San Bernardino—School—City to vote on $300,000 bonds for junior high school.

Calif., San Mateo—Theatre and Hotel—H. L. Stevens, archt., 433 California St., San Francisco, preparing preliminary plans theatre and hotel, 125 rooms, A St. and 3rd Ave. $150,000 or more. Owner's name withheld.

Calif., Stockton — College — College of Pacific, c/o Davis-Heller-Pearce Co., Delta Bldg., takes bids after Sept. 1, science building, Losekann & Clowdsley, Elks Bldg., archts.; dining hall and gymnasium.

Buildings (Continued)

Stoner & Warner, **Belding Bldg., archts.;** auditorium, Mayo, Cowell & Bissell, 24 South San Joaquin St., archts.; boys dormitory and girls dormitory, power house and stadium, Davis-Heller-Pearce Co., Delta Bldg., archts., all 2 story. $600,000. Last named architects will act as managers of construction for entire project. Noted Apr. 4.

B. C., Vancouver—Library—University of British Columbia, Point Grey, having plans prepared by Sharp & Thompson, 708 London Bldg., for 3 story, 100 x 120 ft. brick, on campus. $350,000.

BIDS DESIRED

N. Y., Brooklyn—School—Aug. 28, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 196, Bushwick Ave. between Scholes and Meserole Sts. Noted Mar. 29.

Md., Baltimore—Apartment—Aug. 25, by J. E. Moxley, Jr., archt., Equitable Bldg., 4 story, 75 x 84 ft., brick, plain foundation, St. Paul and 25th Sts., for N. J. Myerberg, 210 North Calvert St. $150,000. Noted Aug. 9.

Md., Crownsville—Dormitory—Aug. 27, by H. P. Hopkins, archt., 347 North Charles St., Baltimore, 3 story and basement, 102 x 110 ft., brick, plain foundation, for Crownsville State Hospital, 330 North Charles St., Baltimore. $150,000. Noted June 7.

N. C., Newton—Court House—City receiving bids 4 story, 60x140 ft. $200,000. W. G. Rodgers, 206 Latona Blvd., Charlotte, archt.

Fla., Miami—Bank—Bank of Bay Biscayne, 12th St. and Ave. D, receiving bids 12 story, 140 x 140 ft., steel. $800,000. Weary & Alford Co., 1923 Calumet Ave., Chicago, engrs. Pfeifer & O'Reilly, Miami, archts. Noted June 14.

Ky., Louisville—Temple, etc.—A. A. O. & N. M. S., receiving bids 7 story, 200x216 ft., temple, hotel, office, etc. $1,500,000. Joseph & Joseph, Francis Bldg., archts. and engrs.

O., Geneva—School—Sept. 12, by W. H. King, clk. Bd. Educ., 2 story and basement, 78 x 159 ft., with auditorium and gymnasium. $200,000. F. L. Packard, 16 East Broad St., Columbus, archt. Noted Jan. 18.

O., Wapakoneta—High School—Sept. 5, by C. C. Nordin, clk. Bd. Educ., 3 story and basement, 125 x 151 ft., rein.-con. and brick addition. $150,000. F. L. Packard, 16 East Broad St., Columbus, archt. Noted July 12.

Ind., Mishawaka—High School—Sept. 6, by Bd. Educ., high school, Lincoln Highway, Studebaker St., Gerhart and Linden Aves. H. W. Tupper, secy. Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, Ill., archts. Noted Oct. 12.

Mich., Detroit—School—Sept. 7 by Bd. Educ., 1354 Bway. Ave., 2 story and basement, 40 ft. high, 83x163 ft., rein.-con., brick and steel, plain foundation, Garden Ave. $250,000. Malcomson & Higginbotham, Industrial Bank Bldg., archts.

Ill., Chicago — Apartment — M. Telechausky, 1619 North Robey St., receiving bids 3 story, fireproof, Eberhard and 75th Sts. $150,000. E. J. Patelski, 157 West Randolph St., archt.

Ill., Chicago — Apartment — M. Telechausky, 1619 North Robey St., receiving bids 3 story, 100 x 164 ft., fireproof, Woodlawn Ave. between 52nd and 53rd Sts. $275,000. E. J. Patelski, 157 West Randolph St., archt.

Ia., Mediapolis—School—Aug. 31 by Bd. Educ., 3 story and basement, 66x179 ft. with gymnasium annex, rein.-con., brick and stone. $150,000. J. E. Berry, secy. Keffer & Jones, 204 Masonic Temple Bldg., Des Moines, archts.

Minn., Proctor — School — Sept. 15, by Secy. Bd. Educ., 2 story and basement, 125x200 ft., concrete steel and brick. $150,000. E. F. Broomhall, 710 Alworth Bldg., Duluth, archt. and engr. Noted Aug. 9.

Kan., Topeka—Hospital—Aug. 25, by J. M. Kirkpatrick, pres. Security Benefit Assn., 701 Kansas Ave., Topeka, 3 story and basement, 40 x 110 ft., brick, stone and concrete, plain foundation. $200,000. Smith, Garden & Martin, 1945 Michigan Ave., Chicago, archts.

Mo., Chillicothe—High School—Sept. 5, by Bd. Educ., 2 story and basement, 200 x 200 ft., rein.-con. and brick, plain foundation, Calhoun St. $300,000. R. W. Roberts, Chillicothe, archt. Payson & Caldwell, Interstate Bldg., Kansas City, associated archt. Noted Aug. 9.

Mo., Kansas City—School—Sept. 6, by C. A. Smith, archt., 602 Finance Bldg., 1 story and basement, rein.-con., brick, steel and stone, for Bd. Educ. $280,000.

Tex., Ft. Worth—Sept. 4, by Y. M. C. A., c/o W. G. Clarkson, archt., First Natl. Bank, constructing building on 5th and Lamar Sts. Noted Aug. 2.

Okla., Ponca City—Temple—A. F. and A. M. 83, takes bids Sept. 1, 5 story and basement, 50 x 140 ft., rein.-con., brick and stone. $200,000. Smith & Senter, 401 Commerce Investment Bldg., Okmulgee, archts. Noted Feb. 22.

Colo., Denver—Office—Sept. 1, by H. J. Manning, archt., Majestic Bldg., 2 story and basement, 60 x 165 ft., stone, concrete and reinforced steel, 16th Ave. and Lincoln St., for Capitol Life Insurance Co., Tabor Opera House Bldg. $200,000. Noted June 7.

Calif., Covina—Dormitory—Train & Williams, archts., Western Mutual Life Bldg., Los Angeles, receiving bids two 2 story, rein.-con. and brick, for Masonic Homes of State of California, c/o architects. $150,000. Noted June 28.

Calif., Los Angeles—Store and Lodge—S. T. Norton and F. H. Wallis, archts., Pacific Finance Bldg., receiving bids 2 story and 3 story and basement, brick, Union Ave. and 9th St., for Independent Order of B'Nae B'Rith, 519 West 9th St. $150,000. Noted May 31.

Calif., San Francisco — Apartment — L. Blum, 180 Jessie St., receiving bids 6 story, rein.-con. or steel, incl. steam heating, hot water plant with oil burner, incinerator, etc., Sutter and Hyde Sts. $150,000. C. O. Clausen, Hearst Bldg., archt.

Calif., San Francisco—School—Aug. 29, by Bd. Pub. Wks., constructing Portola Primary School on block bounded by Goettingen, Somerset, Bacon and Burrows Sts., for city and San Francisco Co. $169,000. J. Reid, Jr., 1st Natl. Bank Bldg., city archt.

Calif., Stockton — Home — Sept. 4, by Supervs. San Joaquin Co., 2 story, concrete or brick, on county hospital grounds. $150,000. R. P. Morrell, 41 South Sutter St., archt. Noted May 3.

BIDS RECEIVED

N. Y., Binghamton—Club and Office—Binghamton Club, Chenango and Henry Sts., general contract 4 story, modern construction, Front (83rd) St., from Mitchel Constr. Co., 332 Water St., $150,000

N. Y., Brooklyn—High School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Aug. 14, Girls Commercial High School, Classon Ave. between Union and President Sts., for Bd. Educ., from T. A. Clarke Co., 122 Livingston St., A $2,387,000; G. A. Fuller Co., 949 Bway., New York, B $2,492,000; T. Dwyer, Bway. and 216th St., New York, C $2,697,600. Noted July 26.

D. C., Wash.—School—Dist. Comrs., 509 Dist. Bldg., constructing School 186, 8 rooms, Spring Rd. and Rock Creek Church Rd., N.W., from D. J. Phipps, Roanoke, Va., (1) work complete $147,000 alternate (1) add $7,500 (2) add $700 (3) add $200 (4) add $200. Noted Aug. 2.

Tenn., Nashville—Office—Nashville, Chattanooga & St. Louis Ry., 10th and Broad Sts., 8 story, 50 x 90 ft., from Southern Ferro-Constr. Co., Trust Co. of Georgia Bldg., Atlanta, $200,000.

O., Granville—High School—C. F. Owens, clk. Bd. Educ., Aug. 10, 2 story and basement, 102 x 131 ft., brick and concrete, from S. J. Isobel & Sons, 311 Citizens Trust Bldg., Columbus, $138,528. Noted July 19.

Wash., Mt. Vernon—Courthouse—Comrs. Skagit Co., Aug. 6, 3 story, rein.-con. and brick, from Standard Constr. Co., Seaboard Bldg., Seattle, $229,872. Archts. est. $300,000. Noted July 26.

Calif., Centerville—High School—Centerville Union High School Dist., 2 story, concrete, from Leiter & Sons, Call Bldg., San Francisco, $183,387; hollow tile from C. H. Peterson, 185 Stevenson St., San Francisco, $191,700. Noted July 19.

Calif., Oakland — Store and Loft — J. Havens, c/o J. W. Plachek, archt., 2014 Shattuck Ave., Berkeley, 2 story and basement, rein.-con. and terra cotta, 11th and Clay Sts., here, from A. H. Vogt, 185 Stevenson St., San Francisco, $150,000. Noted Aug. 2.

Calif., Pomona — Lodge and Club — B. P. O. E., 2 story, brick, general contract from G. McCain, Pomona, $108,326. Noted July 5.

CONTRACTS AWARDED

Conn., Hartford — Apartment — W. H. Foberg, 509 Hillside Ave., will build 3 story, 100 x 180 ft. brick, plain foundation, Washington St., by day labor. $160,000. J. E. Marchetti, 721 Main St., archt. Noted July 26.

N. Y., Brooklyn—Loft—Mayflower Constr. Co., Inc., c/o M. Klein, archt., 37 Graham Ave., will build 100 x 200 ft., brick, steel and stone, plain foundation, Knickerbocker Ave., by day labor. $200,000.

N. Y., Jamestown — Theatre — Eastman Kodak Co., Kodak Park, Rochester, 5 story, 84 x 108 ft., brick addition, Swan St., here, to A. W. Hopeman & Co., Rochester. $155,000.

N. Y., New York—Apartment—Finkelstein & Schwartz, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, West 176th St., by day labor. $200,000.

N. Y., New York—Apartment—Marmac Constr. Co., c/o C. C. Wendeback, archt. and engr., 101 Park Ave., will build 9 story, brick, steel and stone, plain foundation, West 70th St., by day labor. $300,000.

N. Y., New York—Apartment—A. Murray, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, Grand Concourse, by day labor. $200,000.

N. Y., Palmyra—School—Bd. Educ., new school, to Fitzpatrick & McArthur, Yonkers, Archts. est. $250,000. Noted July 12.

N. Y., Southold—School—Bd. Educ. brick, steel and stone, plain foundation, to O. L. Weidman, 552 7th Ave., New York City. Archts. est. $150,000. Noted July 12.

N. J., Jersey City — Bank — Greenville Bank & Trust Co., Ocean Ave., 1 story and mezzanine, 55 x 105 ft., brick and stone, plain foundation, Ocean and Lemback Aves., to J. Mitchell, Inc., 999 Bergen Ave. Noted June 14.

Pa., Phila.—School—D. J. Dougherty, 1723 Race St., 3 story and basement, 110 x 210 ft. steel and stone, 49th and Chestnut Sts., to F. V. Warren, 132 South 17th St., $437,228.

Md., Baltimore—Business—International Eng. & Constr. Co., 5 story, 48 x 144 ft., concrete and brick, Fayette and Paca Sts., to I. Silberstein, Equitable Bldg., $200,000.

Miss., Meridian — Temple — Hamasa Mosque Assn., 4 story, brick and rein.-con., plain foundation, 8th St., to Wetmore & Priester, Meridian, $175,000.

O., Cleveland—Commercial and Office—H. T. Jeffrey, archt., 621 Hanna Bldg., 4 story, 132 x 132 ft., brick, steel and concrete, East 12th St. and Chester Ave., to G. W. Hale, Hanna Bldg., for Chester 12th Building Co., c/o J. E. Andrews, of Cuyahoga Coal Co., Hanna Bldg. Archts. est. $300,000. Noted June 14.

O., Dover—Theatre and Lodge—G. A. Ebeling, archt., Newman-Stern Bldg., Cleveland, 4 story, 50 x 150 ft., brick, steel and concrete, here, to Union Lumber Co., Dover, for Dover Pythian Castle Co. Archts. est. $150,000. Noted June 28.

O., Zanesville—School—Bd. Educ. general contract rein.-con., brick and steel, Cookerville Rd. and Pine St., to Dunzweiler Constr. Co., Frazeysburg, Rd., $225,561.

Mich., Detroit. — Apartment — M. D. Caughey, 2323 East Grand Blvd., 8 story and basement, rein.-con., brick, steel and stone, plain foundation, East Grand Blvd. and Chene St., to O. Misch Co., 159 East Columbia Ave. Archts. est. $1,000,000.

Mich., Detroit—Hotel—P. R. Bierer, 381 West Grand Blvd., 8 story and basement, 100x157 ft., rein.-con., brick steel and stone, plain foundation, East Columbia St., to Bryant & Detwiler Co., 2336 Dime Bank Bldg. Archts. est. $600,000.

Mich., Detroit — Hotel — Book Estate, Book Bldg., superstructure for 29 story and basement, 151x220 ft., rein.-con., brick, steel and terra cotta, Michigan Ave. and Washington Blvd., to Lynch Constr. Co., Room 1106, 1200 Washington Blvd.; foundation to Spencer, White & Prentis, 1200 Washington Blvd.

Mich., Detroit—Schools—Bd. Educ., 1354 Bway. Ave., 2 story and basement, 84x278 ft. rein.-con., brick and steel addition to Priest School, Wagner Ave., to W. H. Mueller, 1711 Ford Bldg., $287,000; also 2 story and basement, 40 ft. high, 64x140 ft., rein.-con., brick and steel addition to Western High School, Page and Scotten Aves., to F. H. Goddard & Co., 2130 Franklin St., $269,937. Noted Aug. 2.

Ill., Chicago—Church—Isaiah Congregation, c/o A. S. Alschuler, archt., 28 East Jackson Blvd., 4 story, 80x150 ft., fireproof, Greenwood and 51st Sts. to Salomon-Waterton Co., 230 East Ohio St. Archts. est. $350,000.

Ill., Granite City—Theatre—L. Landau, Jr., 19th and E Sts., 3 story, 125 x 245 ft., rein.-con. and brick, to R. Levine & Co., 6951 South Green St., Chicago. Archts. est. $200,000.

Wis., Milwaukee — School and Chapel — Capuchin Fathers, c/o St. Benedict the Moor Mission, 1 story, 50x116 ft., brick, tile and concrete, plain foundation, State St., to H. Schmitt & Son, 430 Farwell Ave. $200,000. Noted May 31.

Ia., Iowa City—Recitation—State Bd. Educ., Des Moines, general contract 4 story and basement, 70 x 220 ft., rein.-con., brick, tile, concrete and stone, State University, here, to J. and W. A. Elliott Co., 906 Lumber Exch. Bldg., Minneapolis, Minn., $389,494. Noted Aug. 23.

Buildings (Continued)

Ia., Le Mars—School—School Bd., 3 story and basement, 70 x 216 ft., rein.-con., brick and stone, general contract to Devereoux-Olson Co., Minneapolis, Minn., $108,570; heating and plumbing to Mathey Plumbing Co., Le Mars, $24,746. Noted July 19.

Minn., St. Paul—School—Dept. Educ., 2 story and basement, brick and tile, Palace and James Sts., general contract to P. A. Swenson & Hakanson, 202 Bremer Arcade, $128,000. Noted Aug. 2.

Kan., Coffeyville—Memorial Hall—City Comrs., 2 story and basement, 115 x 172 ft., concrete and stone, general contract to Universal Concrete Co., Coffeyville, $146,000.

Mo., Liberty—High School—Bd. Educ. general contract 2 story, 80 x 188 ft., rein.-con., brick and stone, to Baehl & Co., Manufacturers Natl. Bank Bldg., Leavenworth, Kan., $141,000. Noted March 1.

Mo., Joplin—Hospital—Methodist Episcopal Congregation, will build 4 story and basement, 60 x 100 ft., rein.-con. and brick, 2600 Sargent Ave., by day labor $250,000. E. W. Dearing, Boston, Mass., archt.

Mo., St. Louis—Club-Office—City Club, 911 Locust St., 16 story, rein.-con., brick and steel addition, concrete pile foundation, 11th St., to Humes-Deal Constr. Co., Century Bldg., fee basis. Archts. est. $350,000.

Mo., Warrensburg—High School—Bd. Educ., 2 story, 148 x 188 ft., rein.-con. and brick, to McCarthy Constr. Co., Chemical Bldg., St. Louis, $146,640. Noted Aug. 3.

Tex., Austin — Biology — University of Texas, 3 story and basement, 66 x 192 ft., concrete, brick, steel and terra cotta, general contract to Wattinger Bros., Littlefield Bldg., $318,640. Noted Aug. 9.

Tex., Corsicana — Schools — Bd. Educ. general contract high school to Brashear Constr. Co., Texarkana, $237,000, 3 grammar schools, to Johnson Constr. Co., Cameron Bldg., Waco, $199,806, all brick, stone and concrete; plumbing, to J. H. Wooley, Corsicana, $32,048; heating and ventilating to Kennison Bros., Woods St., $54,853. Engrs. total est. $600,000. Noted July 12.

Tex., Denison—Hotel—Denison Hotel Co., 500 Main St., will build 6 story and basement, 110 x 120 ft., concrete, brick and stone, plain foundation, by day labor. $250,000. W. J. Knight & Co., Century Bldg, St. Louis, Mo., engrs. Barnett, Haynes & Barnett, Century Bldg., St. Louis, Mo., archts. Noted July 12.

Tex., Houston — Hotel — Sam Houston Hotel Co., Prairie and San Jacinto Sts., 10 story and basement, 100 x 100 ft., brick, stone and concrete, to D. Hall, Carter Bldg., Houston, $600,000.

Tex., Texarkana—Bank and Office—Texarkana Natl. Bank., 8 story and basement, 25 x 150 ft., rein.-con., steel and brick, Broad St., to Murch Bros. Constr. Co., Railway Exch., St. Louis, Mo. $250,000.

Okla., Pawhuska—Hotel—C. A. and J. L. Duncan, will build 5 story, 190 x 520 ft., brick, by day labor. $200,000. Noted July 26.

Calif., Los Angeles—Apartment—S. Reiss, c/o Monaco & Bordeaux, archts., Bank of Italy Bldg., 4 story and basement, brick, Serrano St., to Richardson Building & Eng. Co., 631 South Berendo St., $150,000. Noted July 12.

Calif., Los Angeles—School—City, Fremont School, brick, to J. C. Bannister, 903 North Mariposa St., $425,000. Noted Aug. 16.

Calif., Orange—Hotel—G. Richards and R. Smith, c/o contractors, alterations and additions to hotel, to A. T. Hesse, 1117 Hollingsworth Bldg., Los Angeles, $150,000.

Calif., San Luis Obispo—Hotel—H. H. Carpenter, is at head of syndicate, which let contract for 5 story and basement, brick, to Burck Constr. Co., 714 South Hill St., Los Angeles, to exceed $250,000.

Wash., Olympia—Capitol—State Capitol Comn., constructing main portion of legislative building of Capitol (exclusive of dome), brick and stone, plain foundation, to Sound Constr. & Eng. Co., Lowman Bldg., $780,000. Noted July 19.

Que., Montreal — Church — Trinity Memorial Church, Claremount Ave., 2 story, 83 x 169 ft. church, Sherbrooke and Northcliffe Aves., to W. S. D. Cook, 10 Cathcart St., $224,000, steel contract to Dominion Bridge Co., Lachine, stone contract to Morrison Quarries, 128 Bleury St.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Conduit Road, etc.—U. S. Engineer Office, Old Land Office Bldg., plans conduit road, hydroelectric plant, filtration plant, reservoir, and completion of conduits.

D. C., Wash. — Repairing Roof — Spec. 4902—Bureau Yards & Docks, Navy Dept., plans repairing roof of Naval Hospital.

Tenn., Memphis—Derrick—U. S. Engineer, plans to purchase 25 ton steel derrick.

California—Road—U. S. Bureau Pub. Rds., 9 Main St., San Francisco, rejected bids grading and surfacing 15.5 mi. Murphy-Big Trees National Forest Highway, Calaveras Co. Will readvertise shortly. Noted Aug. 16.

Calif., San Diego—Roads and Walks—Spec. 4901—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans roads and walks at Marine Barracks, Naval Operating Base, here.

BIDS DESIRED

Mass., Boston — Flooring — Sept. 10, by Treas. Dept., Wash., D. C., flooring, incl. mechanical equipment, renovation and remodeling in U. S. Post Office and Sub-Treasury, here. J. A. Wetmore, acting superv. archt.

Mass., Rutland—Quarters, etc.—Sept 17, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing, complete, nurses quarters, mess hall and utilities building at U. S. Veterans Hospital, 89, here. F. T. Hines, dir.; adv. E. N.-R. Aug. 23.

N. Y., New York—Dredging, etc.—Aug. 30, at office U. S. Engineer, 616 Army Bldg., dredging and rock removal Area 2 New York and New Jersey Channels; adv. E. N.-R., Aug. 23.

N. Y., Waterloo—Post Office—Sept. 5 by Treas. Dept., Wash., D. C., for U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Ky., Louisville—Clam Shell Buckets—U. S. Engineer, P. O. Box 72, taking bids 3 clam shell buckets 1½ cu.yd. capacity, extra heavy type, reinforcing lips on scoops, f.o.b. Owensboro.

Wash., Seattle—Dredging—Sept. 1, at office U. S. Engineer, dredging 9,200 cu.yd. rock and 2,300 cu.yd. earth in Willapa River.

Calif., San Diego — Storehouse — Spec. 4809—Sept. 5, by Bureau Yards & Docks, Navy Dept., Wash., D. C., paint and oil storehouse, here. Noted Aug. 9.

H. T., Hilo — Breakwater — Oct. 15, at office U. S. Engineer, Honolulu, breakwater in Harbor, here; adv. E. N.-R. Aug. 23.

BIDS RECEIVED

N. H., Concord — Remodeling — Treas. Dept., Wash., D. C., remodeling U. S. Post Office, here, from C. H. Holmes Constr. Co., Sommerville, Mass., $6,918. Noted July 12.

Massachusetts — Dredging — U. S. Engineer, Providence, dredging 260,000 cu.yd. in New Bedford and Fair Haven Harbor, here, from Bay State Dredging Co., 62 Conder St., East Boston (Boston P.O.) $0.389 per cu.yd. Noted July 26.

Mass., Chelsea—Reroofing—Spec. 4886—Bureau Yards & Docks, Navy Dept., Wash., D. C., reroofing building at Naval Hospital, here (1) work complete, from D. Pasquala, 8 Bartlett Pl., Boston, (1) $40,681 (2) $2,321 (3) $12,634 (4) $14,955 (5) add $7,000. Noted July 26.

N. Y., Chelsea — Water Supply — Treas. Dept., Wash., D. C., water supply system at U. S. Veterans Hospital, here, from Noland-Clifford Co., 330 28th St., Newport News, Va., $53,654. Noted July 26.

Md., Annapolis—Water Softening Plant—Spec. 4836—Bureau Yards & Docks, Navy Dept., Wash., D. C., water softening plant at Naval Academy, here, from Permutit Co., 440 4th Ave., New York City, (1) work complete $13,270, addendum (1) $60 (2) $2,500 (3) $600 (4) $120 (5) $3,820 Item 2 $15,485 addendum (1) $70 (2) $2,414 (3) $850 (4) $320 (5) $3,990 telegraphic modification Item 1 deduct $400 addendum (2) deduct $400 (5) deduct $400, Item 2 deduct $500 addendum (2) deduct $500 (5) deduct $500 Item 3 addendum (2) $1,800 (5) $1,800. Noted July 26.

Md., Baltimore—Dredging—U. S. Engineer, dredging 762,600 cu.yd. in Harbor, here, from Sanford & Brooks Co., 24 Commerce St., $95,249. Noted July 12.

D. C., Anacostia—Hangar—Spec. 4868—Bureau Yards & Docks, Navy Dept., Wash., D. C., landplane hangar, here, from C. A. Hofferberth, Woodward Bldg., Wash., $6,570. Noted Aug. 9.

D. C., Wash.—Cement—A. L. Flint, general purch. officer, The Panama Canal, Wash., D. C., furnishing 10,000 bbl. portland cement f.o.b. New York City, from Atlas Portland Cement Co., 25 Bway., New York City, $33,400.

D. C., Wash.—Fire Protection System—Treas. Dept., Wash., D. C., installing fire protection work in Treasury Annex 2, from C. A. Hofferberth Constr. Co., Woodward Bldg., $4,434. Noted Aug. 2.

Ala., Florence — Castings — U. S. Engineer, miscellaneous castings, from Hardie-Tynes Mfg. Co., 800 North 28th St., Birmingham, $6,350 f.o.b. Birmingham.

Ill., Evanston—Extension—Treas. Dept., Wash., D. C., extension with driveway at U. S. Post Office, here, from Garber & Cissel, Inc., 203 West 4th St., Bethlehem, Pa., $13,500. Noted July 26.

Wis., Neenah — Water System — Treas. Dept., Wash., D. C., water system for U. S. Post Office, here, from F. T. Hartel, Neenah, $1,582. Noted July 12.

Ia., Knoxville—Buildings—U. S. Veterans Bureau, in office Quartermaster General, 2306 Munitions Bldg., Wash., D. C., garage and creamery, at U. S. Veterans Hospital 57, here, from C. Weltz Sons, 713 Mulberry St., Des Moines, $79,800. Noted July 19.

Kan., Ft. Scott—Mailing Shed—Treas. Dept., Wash., D. C., mailing shed for U. S. Post Office, here, from Huff Contg. Co., Ft. Scott, $4,447. Noted July 19.

Wyo., Sheridan — Mailing Vestibule — Treas. Dept., Wash., D. C., mailing vestibule in U. S. Post Office, here, from G. E. Wright, Inc., Monadnock Blk., Chicago, $3,594.

Mo., St. Louis — Remodeling — Treas. Dept., Wash., D. C., remodeling Custom House, here, from Kellermann Contg. Co., Victoria Bldg., $6,590.

Arizona—Roads—E. S. Wheeler, dist. engr. Bureau Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, constructing 16.522 mi. Salt River-Pleasant Valley, Sect. 1, Forest Highway, Tonto National Forest, Gila Co., 12 ft., from W. C. Braley, Claypool, 80,946 cu.yd. common excav., $0.28, 18,917 cu.yd. rock excav. $1.25, 22 cu.yd. Class A concrete $35, 450 cu.yd. cement rubble masonry, $14, etc., total $87,803. Noted Aug. 2.

Wash., Puget Sound—Crane—Spec. 4861—Bureau Yards & Docks, Navy Dept., Wash., D. C., electric traveling bridge crane, Navy Yard, here (1) work complete, from Pawling & Harnischfegar, 38th St. and National Ave., Milwaukee, Wis., (1) $12,235; Cyclops Iron Wks., 837 Folsom St., San Francisco, Calif., (1) $12,400 deduct $1,400 for magnetic controls.

Wash., Seattle—Removal—U. S. Dist Engineer, Burke Bldg., (A) removal of 399,000 cu.yd. earth along north side Lake Washington Canal from Locks to Puget Sound, overdepth 63,000 cu.yd (B) removal of 978,000 cu.yd. from canal from locks out to Puget Sound, overdepth 140,000 cu.yd. from Puget Sound Bridge and Dredging Co., Central Bldg., (A) $0.4273 (B) $0.3873. Noted July 19.

Calif., San Diego—Barracks, etc.—Spec. 4843—Bureau Yards & Docks, Navy Dept., Wash., D. C., 2 barracks and extension to mess hall at Training Station, here, (1) work complete, from R. E. McKee, 1916 Texas St., El Paso, Tex., (1) $209,569 (2) $209,569 (3) $125,224 (4) $167,345 (5) $167,345 all (200 days) (6) add $625 (7) add $325, telegraphic modifications, deduct $4,000 each from (1) and (2), deduct $1,000 each from (3), (4) and (5). Noted July 26.

Calif., San Diego—Light, System etc.—Spec. 4821—Bureau Yards & Docks, Navy Dept., Wash., D. C., electric light, power and telephone systems, at Destroyer Base, here, from Globe Electric Wks., 6th and K Sts., (1) $5,000 (75 days) (2) $1,000 (3) $500 (4) $600 telegraphic modification, (1) deduct $560 (2) deduct $800 (3) deduct $250 (4) deduct $200. Noted July 19.

H. T., Pearl Harbor—Piers and Wharf—Spec. 4799—Bureau Yards & Docks, Navy Dept., Wash., D. C., rein.-con. piers and wharf at Submarine Base, here, (1) work complete, from Hawaiian Dredging Co., Ltd., 854 Kuhuhuana St., Honolulu, (1) $205,000 (300 days) telegraphic modification deduct $6,125 (2-A) $1,900 deduct $580 (2-B) $1,600 deduct $334 (3-A) $2,600 deduct $900 (3-B) $2,300 deduct $535 (4a) $2 (4b) $0.75 (5a) $4 (5b) $2.25 (6a) $4 (6b) $0.50. Noted June 14.

CONTRACTS AWARDED

N. Y., Buffalo—Dredging, etc.—U. S. Engineer, dredging and rock removal in Black Rock Channel to Dunbar & Sullivan Dredging Co., Dime Bank Bldg., Detroit, Mich., $124,900. Noted July 26.

N. J., Lakehurst—Hangar—Spec. 4849—Bureau Yards & Docks, Navy Dept., Wash., D. C., balloon hangar, here, to Donnell-Zane Co., 233 Bway., New York City, $9,280 (120 days) former contract rescinded. Noted June 28.

Delaware—Excavation—U. S. Engineer, Wilmington, completing, widening and dredging Chesapeake and Delaware Canal, creating new entrance from Delaware Bay and improving entrance at Chesapeake Bay, Delaware and Maryland, 6,000,000 cu.yd. excav., to Atlantic Gulf and Pacific Co., 13 Park Row, New York City, Sects. A and D, $740,688; Arundel Corp., Pier 2, Pratt St., Baltimore, Md., Sect. B, $257,359. Noted Aug. 9.

Federal Government Work (Continued)

Md., Baltimore—Dredging—U. S. Engineer, dredging in Queenstown Harbor, Md., to Calkins Dredging Co., Inc., 604 Bankers Trust Bldg., Norfolk, Va., $5,564. Noted June 28.

D. C., Wash.—Intake Chamber, etc.—U. S. Engineer, 250 Old Land Office Bldg., Items A, B and C, being intake chamber, cut and cover conduit and tunnel respectively of water supply conduit for Dist. of Columbia, to M. A. Long Co., 2016 West North Ave., Baltimore, Md., $368,709. Noted Aug. 9.

Virginia — Quarters, etc. — Spec. 4855 — Bureau Yards & Docks, Navy Dept., Wash., D. C., inspector's quarters, stable and garage, at Naval Ammunition Depot, St. Julien's Creek, here, (1) work complete, to H. M. Lucas, 115 Bruce Pl., Portsmouth, Items (1) (2) (3) and (4) $12,039 (150 days). Noted Aug. 9.

S. C., Spartanburg — Extension — Treas. Dept., Wash., D. C., extension to U. S. Post Office and driveway, here, to Garber & Cissel, Inc., 203 West 4th St., Bethlehem, Pa., $10,850 (120 days). Noted July 12.

Tenn., Memphis — Cement — Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., furnishing 15,000 bbl. portland cement f.o.b. U. S. Siding, here, to Oklahoma Portland Cement Co., Tradesmen's Natl. Bank Bldg., Oklahoma City, Okla., $3.11 per bbl. Noted July 12.

O., Marion — Extension — Treas. Dept., Wash., D. C., extension to building and driveway at U. S. Post Office, here, to Garber & Cissel, Inc., 203 West 4th St., Bethlehem, Pa., $19,100. Noted July 5.

Mich., Alpena—Breakwater—U. S. Engineer, 337 Federal Bldg., Detroit, furnishing and placing 11,700 ton core stone and 10,300 ton armor stone for rubble mound breakwater, here, to T. L. Durocher Co., Detour, $76,340. Noted Aug. 16.

Mich., Houghton — Post Office — Treas. Dept., Wash., D. C., constructing complete incl. mechanical equipment, U. S. Post Office, here, to W. D. Lovell, 1415 8th St., S.E., Minneapolis, Minn., $71,780 (1 year). Noted May 31.

N. M., Albuquerque—Remodeling—Treas. Dept., Wash., D. C. remodeling U. S. Post Office, here, to Garber & Cissel, Bethlehem, Pa., $2,558 (90 days). Noted July 12.

Miscellaneous

PROPOSED WORK

Flood Control—Hornell, N. Y.—City and State plan channel 1 mi. above and below city, dykes built where necessary and River St. bridge widened and raised, bed of Chauncey Run concreted and retaining wall constructed above city to regulate flow of water, Crosby Creek will be made deeper and adequate dykes constructed, also dam to control flow. Canacadea Creek walls will be made higher and stronger. $400,000.

Transmission Line—North Carolina—North State Power Co., 118 West Martin St., Raleigh, plans 25 mi. transmission line from Fuquay via Cardenas, Angier, Coats to Bouies Creek. K. B. Johnson, Cardenas, interested.

Fire Houses — Greensboro, N. C. — See "Industrial Works."

Hydro-electric Development — Ballston Spa, N. Y. — Saratoga Co., plans hydro-electric development and water supply system, for Homestead Sanatorium, Saratoga Co. Tuberculosis Hospital. $50,000. Utilities Eng. Co., Inc., 467 Bway., Albany, engrs.

Subway — Memphis, Tenn. — City, Nashville, Chattanooga & St. Louis R.R. and Southern R.R. having plans prepared Bellvue subway. $250,000. Work will start in about 30 days. W. F. Schulz, Chamber Commerce, engr. Noted July 26.

Oil Pipe Lines—Kentucky—Indian Pipe Line Corp., Lawrenceville, Ill., plans two 4 in. oil pipe lines from Morgantown to Woodbury, over 20 mi. To exceed $25,000. G. S. Bryant, c/o owner, ch. engr.

Subway—Alliance, O.—Plans subway west of city under Pennsylvania R.R. tracks. $100,000.

Playgrounds—Alton, Ill.—Defeated $40,000 bonds for playgrounds. Noted July 12.

Revetment—Bismarck, N. D.—State Hy. Comn., U. S. Engrs., Bureau Pub. Rds., Wash., D. C., and Northern Pacific Ry. Co., 522 2nd Ave., S., St. Paul, Minn., making plans for revetment work on Missouri River here. $75,000.

Transmission Line—Stockton, Mo.—See "Industrial Works."

Swimming Pool—Highland Park, (Dallas, P. O.) Tex.—City having plans prepared 60 x 140 ft. concrete swimming pool in Davis Park. Cost to exceed $25,000. Myers & Noyes, Mercantile Bank Bldg., Dallas, engr.

Grain Elevator—Houston, Tex.—Houston Port Dist. making plans grain elevator. $1,250,000. J. C. McVea, city engr. Howe & Wise, co. engrs.

Power Development—Slayton, Ore.—J. R. Luper, state engr., granted A. D. Gardner, Slayton, permission to appropriate 1,000 second feet of water from North Fork of Santiam River at 4 points between here and Mehama, to develop 13,636 hp. $250,000. Engineer not selected.

Park Improvements — Redwood City, Calif.—San Mateo Co. plans to purchase 1,000 acre site for park purposes.

Park Improvements—Berkeley, Calif.—Plans election to vote on bonds to exceed $100,000, to purchase sites, and park improvements.

Cement, etc. — San Diego, Calif. — Bd. Supervs. San Diego Co., returned bids unopened for 20,500 bbl. cement and 16,000 tons crushed rock or gravel. These materials will be included in bids (to be asked at later date) for construction work complete on Mission Rd. 1-C from Fallbrook to San Diego-Riverside Co. line. Noted July 26.

Drilling Wells—Bothwell, Ont.—F. L. Snively, 212 Imperial Bldg., Hamilton, plans to drill wells for oil and gas. $25,000.

Pier, etc.—Port Stanley, Ont.—Dept. Pub. Wks., Ottawa, takes bids end of month building new pier and widening harbor, here. $60,000. H. B. Craig, Royal Bank Bldg., London, engr.

BIDS DESIRED

Hydraulic Fill—Norwalk, Conn.—Taking bids 75,000 yd. hydraulic fill, (sand, gravel and mud), in good harbor, near here. Address R. E. Case, 31 Nassau St., New York City; adv. E. N.-R. Aug. 23.

Traffic Signal Electric Lights—New York, N. Y.—Aug. 27, by R. E. Enright, police comr., 240 Center St., traffic signal electric lights under elevated railroad structure, on 6th Ave. at 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 53rd, 55th and 57th Sts.

Stump Pullers, etc. — Hovey, Miss. — Pioneer Fruit Co. (subsidiary of Gulf & Ship Island R.R. Gulfport), taking bids stump pullers, stump boring machines, and farm terracing machines for developing large fruit farm on cut-over timber lands. W. P. James, mgr.

Cement—Newbury, Ind.—Natl. Contract Co., Citizens Natl. Bank Bldg., Evansville, taking bids about 40,000 bbl. portland cement for lock, here. $100,000. S. L. May, pres.

Pavilion—Detroit, Mich.—Michigan State Fair Assn., 502 Bowles Bldg., taking bids 1 story and mezzanine, 201 x 466 ft. rein.-con., brick and steel pavilion, plain foundation, at state fair grounds. $300,000. L. W. Fry, Lansing, archt.

Car Barns—Ironwood, Mich.—Ironwood & Ishpeming Ry. & Light Co., taking bids 1 story, 60 x 126 ft. rein.-con. and brick car barn. $50,000. Private plans.

Tunnel—Madison, Wis.—University of Wisconsin, taking bids for concrete steam tunnels from central heating station to Wisconsin General Hospital. $25,000. Private plans. Noted July 12.

Foundation—Milwaukee, Wis.—See "Industrial Works under Proposed Work."

Gas Container—Wis., Milwaukee—Milwaukee Gas Light Co., 182 Wisconsin St., taking bids structural steel supports, steel tank, 145 ft. high, St. Paul Ave., $1,150,000. R. B. Brown, pres. Private plans.

Transmission Line—Schullsburg, Wis.—Northern Mines Co. taking bids high power transmission line, $25,000. A. Rodhams, supt. Private plans. Noted Aug. 9.

Lock, Gates, etc.—Illinois—Sept. 19 at office Director Dept. Pub. Wks. and Buildings, Div. Waterways, Springfield, constructing Lockport Lock, also water gates and valves of Lockport and Marseilles Locks; adv. this issue.

Road Grader—Onida, S. D.—Sept. 4, by Sully Co., one J. D. Adams & Co. No. 8 Road King grader. G. L. Glessner, co. aud.

Cement—Jefferson City, Mo.—Sept. 28, by Missouri State Hy. Comn., furnishing cement for 1, 3 and 5 years beginning Jan. 1, 1924. Adv. E. N.-R. Aug. 23.

Cement—Merced, Calif.—Sept. 4, by Merced Irrigation Dist. furnishing and delivering 6,000 bbl. cement. A. L. Cowell, secy.

Fire Alarm System—Sacramento, Calif.—City Comn. receiving bids fire alarm system. $25,000. A. Givan, city engr.

Loader, etc.—San Jose, Calif.—Sept. 4, by Supervs. Santa Clara Co., furnishing 1 Spearwell Mogul loader, creeper tread track. H. A. Pfister, co. clk.

Wharf—Sorel, Que.—Sept. 4, by R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, Ont., reconstructing concrete high level wharf here.

BIDS RECEIVED

Foundation Wall, etc.—New York, N. Y.—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, Aug. 17, foundation wall, piers, trap pits, etc., at George Washington High School, Audubon Ave. about 432 ft. north of West 190th St., here, from J. T. Brady Co., 103 Park Ave., $113,598. Noted Aug. 9.

Foundations—New York, N. Y.—Dept. Plants and Structures, Municipal Bldg., foundations for central motor repair shop, 16th St. and Ave. C, from P. T. Cox Contg. Co., 154 Nassau St., $354,400.

Heating and Ventilating Apparatus, etc.—New York, N. Y.—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, Aug. 10, heating, ventilating and temperature regulating apparatus in Julia Richman High School, 2nd Ave. from East 67th to East 68th Sts., here, from Gillis & Geoghegan, Inc., 537 West Bway., $268,630; plumbing and drainage work in above, from N. P. Lorenzo, 404 East 49th St., $138,800. Noted Aug. 2.

Heating and Ventilating Apparatus—New York, N. Y.—Bd. Educ., 500 Park Ave., heating and ventilating apparatus in P. S. 121, 103rd St. between 2nd and 3rd Aves. from Raisler Heating Co., 129 Amsterdam Ave., $68,400.

Subway Changes — New York, N. Y. — Transit Comn. 49 Lafayette St., Aug. 17, making changes in subway structure at Bway. incidental to widening of West 32nd St. and constructing ventilation flue at West 32nd St. and Bway., Routes 4 and 36, Sect. 2, Manhattan Boro, Agreement "CN," from Slattery Eng. & Constr. Co., 10 East 43rd St., $28,910.

Underground Cable Fire Alarm System—St. George, N. Y.—T. J. Drennan, fire comr., Municipal Bldg., Aug. 14, portion of underground cable fire alarm system, here, from Watega Contg. Co., $14,829. Noted Aug. 9.

CONTRACTS AWARDED

Fill—Annapolis, Md.—State Rds. Comn., Baltimore, fill for approaches to Severn River Bridge, here, Anne Arundel Co., Contr. AB-10E, to Development & Constr. Co., American Bldg., Baltimore, $23,300.

Levee—Yazoo City, Miss.—Rocky Bayou Levee Dist. levee on east bank of Yazoo River, north bank O'Neals Creek and south bank of Short Creek, 2 canals, etc., to Clark Constr. Co., Memphis, $150,000.

Grain Elevator—Chippewa Falls, Wis.—Farmers Produce Co., c/o F. W. Anderson, mgr., 15 West Central St., will build 2 story, brick, plain foundation, by day labor. $40,000. Private plans.

Diversion Wall, etc.—Peshtigo, Wis.—Peshtigo Paper Co., rein.-con. and steel diversion wall across River to connect with steel bridge on other side of river, also 500 ft. concrete tunnel on east side of river, to D. C. Northrup, Peshtigo. Engrs. est. $40,000.

Lighting System—Maquoketa, Ia.—Extending electric lighting system to D. L. Chapin, Jr., Wichita, Kan., $32,600.

Paving Materials — St. Paul, Minn. — H. W. Austin, city purch. agt., materials for paving Front St. between Dale and Rice Sts., 6,645 sq.yd. 3 in. vertical fibre brick, to Streator Clay Mfg. Co., 713 Guardian Life Bldg., $1.62 per sq.yd.; 4,000 cu.yd. crushed rock or gravel, for concrete base, to J. L. Shiely Co., 305 Dakota Bldg., $2.60 per cu.yd.; 260 tons asphalt and 80,000 lb. asphalt filler, to Minnesota Road Equipment Co., 4536 Dupont Ave. S., Minneapolis, $21.30 per ton and $26.60 per ton (in drums) respectively. Contract for 5,240 bbl. portland cement not awarded. Noted Aug. 2.

Pipe Line—Texas—Lone Star Gas Co., Amer Exch. Natl. Bank Bldg., will contruct 45 mi. 12-16-18 in. gas pipe line from Gordon to Strawn, by day labor. $1,300,000. J. C. Brokaw, c/o owner, engr.

Levee—Sacramento, Calif.—Removal of Y St. levee, 144,744 cu.yd. earth excav., to Byrne, Yost & Treatster, 2512 N St., $60,049. Noted Aug. 9.

Gas Mains — Montreal, Que. — Montreal Light, Heat & Power Co., Craig St. W., will build 4,210 ft. 16 in. c.i. gas main in Hanatoux St., $31,365, also 11,565 ft. 4, 6, 8 and 12 in. c.i. mains in 16 other streets, $29,660, by day labor.

OFFICIAL PROPOSALS

Bids: Sept. 5.

Road Work

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth, for the reconstruction of Riverside Drive, Road No. 52, Sect. 1, with a reinforced concrete pavement, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on Wednesday, Sept. 5, 1923, at 11:00 A.M. Daylight Saving Time.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer at 60 Broad street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB,
Director.

Attest:
CHARLES E. COLE, Clerk,
Freehold, N. J., August 8, 1923.

Bids: Sept. 12.

Bridge Letting

Fort Wayne, Ind.

Notice is hereby given that the Board of Commissioners of Allen County, will receive sealed proposals or bids for the erection and construction of a bridge over the Naumee River at Columbia Fort Wayne, Indiana, at the Auditor's Office up to 10 o'clock a.m., on the 12th day of September, 1923.

Plans and specifications and profile have been adopted by the Board of Commissioners and are now on file in that office, for the inspection of the bidders.

Bids must be accompanied by a good and sufficient bond equal to the amount of the bid as required by law and the necessary affidavits required by the law of the State of Indiana, in such cases made and provided.

Bonds signed by two or more freeholders and residents of the county, or by a properly authorized and qualified bonding or surety company, will be accepted by the Board.

Bidders must submit their proposals, bids and affidavits on blank forms to be furnished by the County Auditor on application.

The Board of Commissioners reserves the right to reject any and all bids.

Given by order of the Board of County Commissioners of Allen County, Indiana.

JOHN H. JOHNSON,
Auditor Allen County, Indiana.

Bids: Sept. 5.

Red Bank—Oceanport Road

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the reconstruction of the Red Bank-Oceanport Road No. 45, Sect. 1, with reinforced concrete pavement, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on Wednesday, Sept. 5, 1923, at 11:00 A.M. Daylight Saving Time.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer, at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB,
Director.

Attest:
CHARLES E. COLE, Clerk,
Freehold, N. J., August 8, 1923.

Bids: Aug. 29.

State Highway Construction

Raleigh, N. C.

Sealed bids for the construction of the following projects will be received by the North Carolina State Highway Commission at Raleigh, N. C., until 10 A.M. on the 29th day of August, 1923, when they will be opened and read:

Hard surface (Concrete or Asphaltic Paving Projects) including grading, reinforced concrete or cast iron pipe, structures, etc.

Project No.	County	Length (Miles)
180	Perquimans	9.96
185-C	Pitt	14.35
352 (macadam)	New Hanover	2.31
507	Alamance	4.03
592	Rockingham	8.22
611 & 697A	Anson-Union	12.45
641	Iredell	8.04
745	Forsyth	4.57
902	Buncombe	4.95

Topsoil, Sand Clay, Gravel, or Grading projects, including grading, drainage pipe, structures, etc.

421	Franklin	8.23
495	Warren	7.96

Specifications, proposal forms, etc., may be obtained from the State Highway Commission at Raleigh, N. C.

Plans may be seen in the Raleigh Office, or in the offices of the District Engineer.

Bridge plans may be obtained from the State Highway Commission at Raleigh, N. C., upon payment of Five ($5.00) dollars per set.

The right is reserved to reject any or all bids.

By order of the North Carolina State Highway Commission.

Bids: Sept. 5.

Bridge

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the construction of Bridge No. U-11 consisting of a 26' I-Beam span encased in concrete and an earth dam containing a sheet pile and reinforced concrete core-wall, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on Wednesday, Sept. 5, 1923, at 11:00 A.M., Daylight Saving Time.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer at 60 Broad street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB,
Director.

Attest:
CHARLES E. COLE, Clerk,
Freehold, N. J., August 8, 1923.

Bids: Sept. 1.

Two Highway Bridges

Ellicottville, N. Y.

Sealed proposals will be received by the Town Board of the Town of Ellicottville, Cattaraugus County, N. Y., at the office of the Town Clerk, Ellicottville, N. Y., on Saturday, September 1, 1923, at 2 o'clock P.M., for the construction of two highway bridges, each approximately 60 ft. span and 18 ft. roadway, on the proposed new highway between the village of Ellicottville and Ashford station, across the Great Valley creek.

Sealed proposals also will be received for the construction of approximately 10,000 cubic yards of fill or embankment necessary to the construction of said proposed new highway.

Plans and specifications are on file with the Town Clerk of the town of Ellicottville, and bidding sheets may be obtained at said Town Clerk's office.

Each proposal must be accompanied by a certified check for at least 5% of the amount of the proposal, and shall be made payable to John W. Ellis, Supervisor.

Each proposal must be accompanied by an affidavit from a surety or bonding company, duly qualified under the laws of the State of New York, stating that in case this bidder be awarded the contract for the work covered in the bid, said surety or bonding company will furnish the required bond within ten (10) days of the award of the contract.

The Town Board of Ellicottville reserves the right to reject any or all proposals.

CLAYTON C. HUGHEY,
Town Clerk,
Ellicottville, N. Y.